

CITY OF BALTIMORE

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DEPARTMENT OF PUBLIC WORKS

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January 27, 2016

**VIA OVERNIGHT MAIL**

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Reference DOJ Case No. 90-5-1-1-4402/1

Reference DOJ Case No. 90-5-1-1-4402/1

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**RE: United States, et al. v. Mayor and City Council of Baltimore  
Civil Action No. JFM-02-1524  
Calendar Quarterly Report No. 53  
For Calendar Quarter Ending December 31, 2015**

Ladies and Gentlemen:

In the above referenced Consent Decree, the City of Baltimore agreed to submit a Calendar Quarterly Progress Report covering activities required by the Consent Decree. Included herewith is Calendar Quarterly Report No. 53, for the Calendar Quarter ending December 31, 2015.

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We trust that you will agree that the City of Baltimore is in compliance with this requirement of the Consent Decree. Please notify us if you have any questions related to this item.

Sincerely,



Kumasi Vines  
Acting Bureau Head

KV/ajd

Enclosures

cc: Rudolph Chow, P.E.  
Dana Cooper, Esquire  
Ms. Dawn Lettman  
Mr. George Nilson  
Thomas Ligan, Esquire  
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Arthur Jones-Dove, P.E.  
File

# **City of Baltimore Sanitary Sewer Overflow Consent Decree**

**Civil Action No. JFM-02-1524**

**Calendar Quarterly Report No. 53  
For Calendar Quarter ending December 31, 2015**

*Submitted:  
January 31, 2016*

*Submitted To:  
United States Environmental Protection Agency  
United States Department of Justice  
Maryland Department of the Environment*

*Prepared By:  
City of Baltimore  
Department of Public Works,  
Bureau of Water and Wastewater*



## Statement of Certification

I certify under penalty of law that this information was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my directions and my inquiry of the person(s) who manage the system, or the person(s) directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

*Kumasi Vines 1/23/16*

Kumasi Vines  
Acting Bureau Head

# **City of Baltimore Sanitary Sewer Overflow Consent Decree**

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## **A. INTRODUCTION**

This Calendar Quarterly Report is submitted pursuant to the requirements of a Consent Decree entered on September 30, 2002 in the United States District Court for the District of Maryland as part of the response to Civil Action No. JFM-02-1524. This Calendar Quarterly Report is intended to provide an update on the progress of remedial measures required by the Consent Decree and the status of various programs to be implemented.

The requirements for the Calendar Quarterly Report are specified in Paragraph 18 of the Consent Decree, which reads as follows:

“Beginning with the first full calendar quarter after the Date of Entry of the Consent Decree, Baltimore shall submit to EPA and MDE within thirty (30) days after the end of each calendar quarter until termination of this Consent Decree a Calendar Quarterly Progress Report (“Calendar Quarterly Report”) covering the subject of this Consent Decree. This Calendar Quarterly Report shall contain the following:

- i. Progress reports on the implementation of the requirements of Section VII (Remedial Measures) as described in Paragraphs 8 through 15;
- ii. A description of any problems anticipated with respect to meeting the requirements of Section VII (Remedial Measures) of this Consent Decree; and
- iii. A description of all environmentally beneficial projects and SEP implementation activity in accordance with Paragraphs 29-33 of the Consent Decree; and
- iv. Any such additional matters as Baltimore believes should be brought to the attention of EPA and MDE.”

It was noted that Paragraph 18 contained a typographical error. The Remedial Measures described in Paragraphs 8 through 15 comprise Section VI of the Consent Decree, and not Section VII. Accordingly, this Calendar Quarterly Report refers to Paragraphs 8 through 17 of the Consent Decree as Section VI.

## **B. PROGRESS OF IMPLEMENTATION OF SECTION VI REQUIREMENTS**

For reference purposes, this Section B is organized so that the item numbers correspond directly to Paragraphs and subparagraphs in the Consent Decree.

### **Paragraph 8: Elimination of Sanitary Sewer Overflow and Combined Sewer Overflow Discharges**

- A. General Requirements:** During the calendar quarter ending December 31, 2015, the City of Baltimore was in general compliance with the Clean Water Act and Title 9, Subtitle 3 of the Environment Article, Annotated Code of Maryland. Episodes of non-compliance include un-permitted sanitary sewer overflows (SSOs), as reported during the quarter in accordance with Paragraph 17 of the Consent Decree and as summarized in Appendix 5 herein.
- B. Construction Projects:** Appendix 1 to this Calendar Quarterly Report provides a status update for each of the construction projects listed in Appendix D of the Consent Decree.

#### **1. Practical Completion**

As design and construction progress, concerns and issues have arisen that may impact the schedule for some of the Paragraph 8 projects, are as follows:

**Project No. 8: Stony Run Interceptor and Pumping Station:** Due to significant public opposition to the proposed pumping station site in Wyman Park, additional pumping station locations were investigated. A new location at the Department of Public Works Solid Waste Site, near the intersection of Sisson Street and 29<sup>th</sup> Street had been selected and approved by MDE and EPA. To expedite the project, this project was split into 3 phases:

- SC 819 (Phase 1) is an upper portion of Stony Run interceptor and consists of rehabilitation, and partial replacement of pipelines and manholes located north of Wyndhurst Avenue. Practical completion of this project was complete as of October 14, 2006.
- SC 838 (Phase 2) is the middle portion of Stony Run interceptor and consists of rehabilitation and partial replacement of pipelines located between Cold Spring Lane and Wyndhurst Avenue. Practical completion of this project was complete as of March 21, 2007.
- SC 839 and SC 847 (Phase 3) consist of 20 mgd pumping station, force main and gravity sewer. Due to delay in siting the pump station, the City has requested and MDE has approved a 6-month extension for the project advertisement and completion dates. Both SC 839 and SC 847 were advertised on June 16, 2006. For Contract SC 839, the city received only one bid 65% above the engineers estimate. The city rejected this bid and had determined that the compressed construction schedule of one year is the primary reason for the unusually high bid amount and lack of competitive bidding. The



City re-advertised Contract SC 839 on October 27, 2006 and, anticipated that based on bids received in December, contract negotiations will begin. The City sent a letter on October 13, 2006 requesting an additional extension of fourteen (14) months to account for the additional time required for construction due to the increased scope of work. For SC 847 the city had awarded this contract to a successful bidder and the current duration was one year, however the full functionality and operation of the pumping station will depend on the progress of SC 839. Therefore, the City has requested to move the practical completion date for SC 839 and SC 847 from December 31, 2007 to February 28, 2009. A response from MDE was received on February 26, 2007, granting the requested extension. The Practical Completion deadline for both of these projects is now February 28, 2009. The extension letter request for the extension of SC 847 to May 31, 2009 was granted by EPA on June 22, 2009 and MDE on April 15, 2010. Practical Completion was achieved on May 29, 2009, for lower portion of project SC 839RR – Stony Run Interceptor. Conditional acceptance for SC 839RR was achieved on July 21, 2011.

## **2. SSO Structure Elimination**

SSO No. 132 is located at the intersection of Springdale Avenue and Hilton Street. It was proposed to monitor this SSO structure for a twelve-month period ending September 18, 2004. During the calendar quarter ending September 30, 2005, activity was observed at this SSO structure on March 23, and March 28, 2005.

The City of Baltimore eliminated SSO No. 33 & No. 34 on December 10, 2008 and December 23, respectively. The City of Baltimore eliminated SSO No. 136 on January 21, 2009.

SSO No. 132 is located at intersection of Hilton Street & Springdale Ave  
SSO No. 134 is located near the intersection of Liberty Heights and Elamont Road.  
SSO No. 135 is located one block away from SSO No. 134, at the intersection of Liberty Heights and Dennlyn Road.  
SSO No. 137 is located near the intersection of Shannon Drive and Brehms Lane.  
SSO No. 138 is located at the intersection of Cold Spring Lane & Ayrdale Ave.  
SSO No. 139 is located at the intersection of W Garrison Ave and Queensberry Ave.

The City is working on addressing these SSOs. The City has engaged the services of an engineering firm to investigate and evaluate the collection system adjacent to SSO Nos. 132, 134 and 135. The design to eliminate these SSOs is complete and the contract was advertised on February 10, 2012, bids were opened on April 4, 2012, contract was awarded on September 26, 2012, and Notice to Proceed was issued on February 4, 2013. Due to construction and bypass activity at SSO #132 (site P8\_10\_132S), SSO #134 (site HL32) and SSO #135 (site P8\_10\_135S) these meters were removed on 2/20/14, 8/17/13 and 6/13/14 and, respectively. These meters were re-installed on 9/11/14 after construction activities were concluded.

**SSO 150 located at the intersection of N Calvert St & Chancery Rd**  
**SSO 151 located in the proximity of 4210 Curtis Ave**  
**SSO 152 located at the intersection of N Charles St & W Lanvale St**



**SSO 153 located at the intersection of Fernhill Ave & Hillsdale Rd**

**Flow meters have been installed and will monitor these locations for 6 months. The collected data in conjunction with the hydraulic model will determine if they can be sealed.**

The City will continue to monitor and evaluate activity at these SSO structures and will continue to keep EPA and MDE advised of progress in future Calendar Quarterly Reports.

Other than the concerns and issues noted here, all Paragraph 8 projects are complete. The milestone dates specified in Appendix D of the Consent Decree have all been met.

**C. Separate Sanitary Sewer Characterization Report:** This requirement has been completed.

**D. Elimination of Combined Sewer Overflows:**

Walbrook: This project has been completed.

Forest Park: During the calendar quarter ending September 30, 2006, combined sewer overflow (CSO) No. 13P was eliminated and the City reported that the Combined Sewer System has been separated and all CSO structures have been eliminated in the Forest Park neighborhood.

On October 11, 2006, the City sent a letter to MDE/EPA that included a report dated March 2006 entitled "Confirmatory Testing for Final Separation of Combined Sewer System in Forest Park Area". The letter also documented the elimination dates for the CSO structures associated with this area, including 10P, 11P, 13P, 18P, 19P, 21P, and 31P. Lastly, the City requested that post-construction monitoring be waived for these CSO structures since the eliminations were performed.

MDE responded to this letter on December 11, 2006, and approved the waiving of post monitoring for the CSO structures, with the exception of 13P. For this structure 13P, MDE noted that a site inspection was performed by MDE on October 19, 2006 that revealed the discharge of raw sewage. Therefore, MDE disapproved the waiving of the post-monitoring requirements at this location. On January 16, 2007, the City submitted a letter of response that included additional sampling results indicating that the high bacterial levels are due to stagnant pooling water at the outfall in lieu of a sewage discharge. It is therefore believed by the City that post-monitoring can be waived at overflow structure 13P. EPA requested that the City provide additional clarification regarding CSO 13P. Sampling was carried out on February 8, 2012 and a report and laboratory results were sent to EPA on March 21, 2012.

**E. Flow and Rainfall Monitoring for Paragraph 8 Construction Projects:**

As of December 31, 2015, 3 flow meters are installed as indicated in Table 8-1 specifically for Paragraph 8 Projects.

**Table 8-1: Flow Monitor Installations for Paragraph 8 Projects**

Consent Decree Project ID No.	ADS Project ID No.	Project	No. of Meters		
			October	November	December
7	4	Lower Jones Falls Interceptor	1	1	1
8	5	Stony Run Interceptor & P.S.	1	1	1
10	7	Greenmount Interceptor	1	1	1
Total			3	3	3

A summary of rainfall and flow monitoring data collected during September, October and November 2015 (the data reported lags by one month due to the 30-day lag time in delivery of the prior month's data), prepared by RJN/ADS Environmental Services is submitted on a compact disk in the inside of the back cover of this Calendar Quarterly Report. The ADS report includes:

- Meter location maps
- Meter site reports
- Rain gauge location maps
- Tabular flow monitoring data
- Tabular rain gauge data
- Depth and velocity scattergraph plots
- Flow and rainfall data in Excel format

All flow meters are ADS Model 4000 flow monitors. Each meter was calibrated by manually measuring depth and velocity to confirm that the flow meters are functioning properly. Multiple measurements were obtained for each flow meter. These measurements are shown on the depth-velocity scattergraphs provided for the flow monitoring sites.

**F. Progress Reports:**

Progress of work under Paragraph 8 is as reported herein.

**Paragraph 9: Collection System Evaluation and Sewershed Plans**

- A.** The milestone dates for completion of the Sewershed Study and Plan for each of the City's eight sewersheds, as established by Paragraph 9.B of the Consent Decree, recognize that evaluation work will not begin in earnest until several years after the Date of Entry.

**Sewershed Study and Plan:** The City submitted Jones Falls, the first of the sewershed plans to MDE/EPA and DOJ on December 26, 2008 with an approach plan for

prioritizing the capital improvements recommended by the Jones Falls team and the other sewersheds. MDE/EPA submitted comments on the Jones Falls Report in a letter dated June 4, 2009. The City responded within 30 days. The Herring Run sewer shed plan was submitted to MDE/EPA and DOJ on June 26, 2009. The Low Level sewer shed plan was submitted to MDE/EPA and DOJ on December 22, 2009. The High Level sewer shed plan was submitted to MDE/EPA and DOJ on December 21, 2009. The Patapsco, Dundalk, Outfall and Gwynns Falls sewer shed plan were submitted to MDE, EPA and DOJ on June 15, 2010, June 18, 2010, June 25, 2010 and June 28, 2010, respectively. All eight (8) Sewer shed Plans/Reports were submitted by the milestone dates established in the Consent Decree.

In the Planning phase the Sewer shed teams have completed quality control and the quantities below are provided as final inspection quantities.

- A total of 33,227 manholes were inspected during Paragraph 9 sewer shed studies
- A total of 5,994,171 linear feet of sewers were CCTV inspected during Paragraph 9 sewer shed studies (~ 94%).

Any remaining assets will be inspected during Paragraph 9 rehabilitation projects.

**B. The Sewer shed Study and Plan Elements:** The Plan Elements in the Consent Decree are to be followed for each sewer shed.

**C. Collection System Inspections:** Please refer to Section A above for a summary of final inspection quantities.

In accordance with Paragraph 8 and 9 of the Consent Decree, many collection system components have been replaced, rehabilitated, and slip-lined. The City submitted to the EPA/MDE, under Paragraph 9 D (vii), a request for waiver of the Paragraph 9.D inspection requirements for these system components. In a letter dated September 04, 2007, MDE approved the request to waive inspection of selected portions of the collection system.

**D. Infiltration and Inflow ("I/I") Evaluation:** Flow monitoring began on May 09, 2006. As of December 31, 2015, the flow monitoring continues at 9 meter locations throughout the City, including the long term monitoring program.

**E. Long-Term Capacity/Peak Flow Management:** During the calendar quarter ending December 31, 2015, there was no capacity/flow management analysis activity related to the Sewer shed Studies and Plans.

**F. Sewer shed Study and Plan(s) Approval and Implementation:**

**Sewer shed Study and Plan(s):**

All eight (8) Sewer shed Plans/Reports have been submitted by the milestone dates established in the Consent Decree.

### **Approval**

The plans have been submitted. The City provided a technical workshop on February 26, 2009, addressed comments sent on June 4, 2009 for Jones Falls and met with MDE and EPA on May 3, 2010 to provide further justification on the use of the 2-year 24 hr design storm. In addition to other items such as an affordability analysis, MDE and EPA also requested that the City consider levels of improvement that would minimize SSOs in sensitive areas. Based on EPA's definition of "sensitive areas" received on June 28, 2010, the City evaluated an approach that includes the sewershed studies recommended improvements and accounts for higher levels of controls for minimizing SSOs in identified sensitive areas. The City received a letter from United States Environmental Protection Agency (EPA) dated February 10, 2011, stating that it has reviewed the Final Sewershed Plans for Jones Falls, Herring Run, and High Level. Based on its review has concluded that after the City implements the proposed improvements (2-year 24-hour design storm) a significant number of overflows will remain during greater storm events, including 5-year and 10-year 24-hour storm events. Therefore, EPA cannot approve these sewershed plans as submitted because the recommended improvements fall short from the goal of the CD in ensuring that Baltimore's sewage collection system does not cause or contribute to SSOs.

EPA's response provides minimal direction on how the City should proceed with revising the plans. Therefore the City met with EPA and MDE on June 02, 2011, to better understand their expectations. During this meeting, the City presented a revised approach utilizing 64 years of historic rainfall data for determining the appropriate level of protection to be utilized as the basis of design for system improvements to reduce the number of SSOs. Based upon this meeting, EPA and MDE requested further clarification of the proposed methodology. The City submitted a white paper outlining the Continuous Simulation Methodology on June 30, 2011.

On July 8, 2011, representatives from EPA, MDE and the City participated in a conference call and the City answered EPA and MDE's questions regarding the white paper and the continuous simulation methodology. The City sent a follow-up letter to EPA and MDE on July 22, 2011 which further addressed EPA and MDE's questions. On August 29, 2011, EPA submitted additional comments and questions to the City and MDE. EPA and the City participated in a second conference call on August 31, 2011 during which the City responded to EPA's questions.

In a letter dated November 22, 2011, EPA requested that the City, simultaneously submit a proposed plan of improvements based on the continuous simulation approach in addition to a revised implementation plan based on a 10-year, 24 hour design storm by the end of 2011. The City submitted the requested information to EPA and MDE on December 30, 2011. The City received comments from EPA on the continuous simulation report on March 6, 2012 and responded in a letter dated March 22, 2012. EPA, MDE and the City met on March 8, 2012 to discuss on-going consent decree activities, the appropriate level of protection and modification to the compliance schedule. The EPA, MDE, and the City all agreed that starting with a baseline 5 year level of protection (LOP) to be augmented with greater protection in some areas is the right approach. It was that a series of technical workshops would be coordinated to develop the criteria to be used in selecting the appropriate LOP. The first of these technical workshops was held on March 26, 2012, with representatives of the City, EPA Region 3 and MDE with

other technical workshops to follow. During the workshop, EPA and MDE had some questions on the hybrid approach. The City provided the necessary clarification in a letter dated April 13, 2012.

On May 10, 2012, via e-mail, the City received preliminary guidance from EPA Region 3 on behalf of both EPA and MDE on the proposed continuous simulation methodology to address SSOs as follows:

1. Baltimore will submit a continuous simulation study and plan for each sewershed in its collection system to EPA and MDE by December 2012. Baltimore shall evaluate and propose hydraulic and capacity related improvements necessary to achieve a 5-year and 10-year SSO Level of Protection (LOP).
2. The decision on how to comply with the CD will remain with Baltimore. Based on modeling provided to date, the Agencies will not accept anything less than a 5-year LOP. However, where the calibrated modeling shows that there are remaining overflows, Baltimore will prioritize these overflows based on volume and develop a plan that will achieve a LOP necessary to meet CD requirements. This plan may include up to a 15-year LOP in some areas. These areas prioritized by volume will be addressed prior to the post construction monitoring phase."

EPA and MDE have indicated that they would be meeting in the near future to discuss the details associated with any proposed modifications to the consent decree and that a letter would be forthcoming once those details have been agreed to. The City submitted a letter dated, June 8<sup>th</sup>, 2012, to EPA and MDE acknowledging receipt of their e-mail on May 10. Further, the City requested a meeting to discuss the schedule, clarification regarding EPA's intentions, and regular coordination moving forward. To date the City still awaits a response from EPA and MDE. By letter dated September 10, 2012, the U.S. Department of Justice provided a proposal to modify the CD, extending the compliance deadline and addressing other issues.

On October 19, 2012, the EPA sent a letter to the City that included comments on the Integrated Planning Framework (IPF) presentation conducted by the City on September 24, 2012. On December 7, 2012, the City sent a letter to the Regulators regarding among other things the Sewershed Report Revisions and Integrated Planning. The City submitted the Sewershed Study and Plan Amendment in December 28, 2012.

The City met with EPA and MDE on January 31, 2013, to further discuss the revised Sewershed Report Revisions and Integrated Planning. Based upon this meeting, the City prepared a document called Phase 1 Adaptive Management Technical Memorandum (TM) that was submitted to EPA and MDE on February 28, 2013, detailing proposed projects, costs, estimated benefits and time frames for the first phase of the adaptive management approach.

The City received comments from EPA regarding the Technical Memorandum (TM) on March 12, 2013. The City responded to the comments in a letter dated April 11, 2013.

On November 1, 2013, the City received a response from the Regulators to the June 28, 2013, City letter regarding the time line for completion of Phase 2 Consent Decree work.

The Regulators recognized the ongoing efforts by the City and indicated that they have no objection to the implementation of a refined version of the IPF and a two-phased adaptive management approach to complete the structural and hydraulic rehab under the Consent Decree. The Regulators also pointed out that a court approval of an amended Consent order is required if any deadlines are to be modified. **The City responded to the November 1, 2013 correspondence in a letter dated December 16, 2013 and met with EPA, DOJ and MDE on March 27, 2014 to provide a progress update on the Consent Decree. The City followed up with a letter dated May 12, 2014, to the Regulators highlighting the two phased adaptive management approach and re-iterating the City's willingness and commitment to move forward with the Consent Decree modification. On May 12, 2014 the City provided a response based on questions raised by EPA and MDE during the progress meeting on March 27, 2014. An additional follow-up conversation between EPA and the City on June 4, 2014 resulted in the Phase 1 Adaptive Management Contract Summary which was submitted to EPA on June 27, 2014.**

**The City of Baltimore received a letter dated June 11, 2015, from the Department of Justice including proposed modifications to the City of Baltimore Consent Decree. Negotiations between the City and the Regulators on the modifications are ongoing.**

### **Implementation**

The sewershed studies and the system-wide hydraulic model clearly demonstrate how the sewage flows generated in the County will impact the recommended improvements within the City. Unfortunately, the timing of the City's and County's Consent Decrees limits the ability to best represent the planned improvements in the County. More importantly, County flows could be significant and could render a number of the recommended hydraulic improvements ineffective in eliminating SSOs. Conversely, we understand that the County is planning to reduce wet-weather flows which could result in over-sized hydraulic improvement projects and excessive costs for our downstream facilities. Since an estimate of the reduction in wet-weather flows from the County is not available at this time, the City cannot model this benefit. Therefore, we believe that implementing hydraulic improvements in the sewersheds that are impacted by County flows would be premature, may not result in the most fiscally responsible approach for the City, and may not achieve the Consent Decree goal of eliminating SSO's.

The Final Sewershed Plans as submitted outlined how the City plans to implement all of the identified structural repairs and hydraulic improvement rehabilitation projects by January 1, 2016. However, the City believes this project scheduling ignores the inherent problem of lack of reliable Baltimore County hydraulic flow data crucial to five (5) of the City's sewersheds. The remaining three (3) sewersheds have no or minimal impacts from County flow. In addition to flow impacts from the County, the February 10, 2011, letter does not provide clear guidance for the City to evaluate all projects previously identified in the final sewershed plans. However, the City recognizes its responsibility to comply with the Clean Water Act and the Consent Decree, thus, the City is in good faith proceeding with some O&M related projects. These projects include designing other structural defect and hydraulic projects that will improve management of the collection

system such as, cleaning and CIPP lining, point repairs, manhole rehabilitation, etc.

The City plans on advancing executable projects that are not impacted by the design storm selection while the City and MDE/EPA determine how best to address the misaligned Baltimore County Consent Decree data and the appropriate level of protection selection approach for Baltimore City. The City will monitor the collection system and calibrate the model, perform additional hydraulic simulations and assess the impact of County flows on the City's collection system, and determine the effectiveness of the selected construction projects and the effectiveness of projects implemented by the County. Doing so will allow the City to design and implement hydraulic improvements that more precisely comply with the intent of the Consent Decree, which is the elimination of SSOs. Appendix 2 of this Calendar Quarterly Report provides a status update for each of the construction projects being carried out under Paragraph 9 of the Consent Decree. The City will continue to coordinate with MDE and EPA to address the aforementioned issues and will revise the sewershed planning recommendations accordingly.

**G. Progress Reports:** Progress of work under Paragraph 9 is as reported herein.

## **Paragraph 10: Illegal Sewer Connections**

**A. Illegal Private Connections:** During the calendar quarter ending December 31, 2015, Baltimore further addressed the list of suspected illegal connections to the collection system known to the City. The City had previously initiated enforcement actions for 14 suspected illegal connections by notifying the respective property owners of the suspected illegal connections and actions to be taken, as required by Paragraph 10.A of the Consent Decree. In accordance with the City's enforcement plan, staff of Housing and Community Development (HCD) inspected these 14 properties and determined that two were not illegal connections, ten required dye/smoke testing for confirmation, and two required further evaluation. The City performed dye testing and determined that only 5 are illegal connections. Furthermore, the City has identified and confirmed 33 additional properties within the Western Run Sewershed with potential illegal storm water connections to the sanitary system.

The City has further researched the 38 illegal connections documented in the past Quarterly Reports and has determined that the results of the testing performed to date cannot differentiate between an illegal connection or a privately-owned portion of a customer service connection lateral. Dye testing performed did prove that sources of inflow are connected to the sewer; however, it was not determined whether the connections were via direct connections to the sewer pipe or via the privately owned portion of the lateral. As such, the City should not have positively identified these as illegal connections and requests approval to remove the 38 connections from the list in Appendix 3 until further investigation can be performed. In February 2010, the City completed its illegal connections investigations in the Jones Falls Sewershed, including the 38 potential connections in the Western Run Area previously provided in Appendix 3, plus an additional 25 as identified in the Jones Falls Collection System Sewershed Study



and Plan, utilizing dye-testing, smoke testing along with CCTV inspections. Based upon these investigations out of the 63 previously suspected illegal connections, only two illegal connections were confirmed. These locations are, 6309 Greenspring Ave and 4424 Marble Hall Rd.

6309 Greenspring Ave: A letter was sent to the property owner on August 08, 2011, and a follow up letter was sent on January 5, 2012. The second letter was returned unclaimed. Dye testing confirmed the location is abated.

4424 Marble Hall Road: On August 11, 2008 while performing dye testing as part of their field investigations, the Herring Run Sewershed team identified an illegal sewer connection at 4424 Marble Hall Road. Once an illegal connection is identified, the approved Illegal Connection Enforcement and Implementation Plan will be adhered to.

This illegal connection has been found to be located on private property. The City has contacted its Housing Department (HCD) to send the owner a notice to eliminate this illegal connection. Additional dye-testing was carried out in March 2011 to satisfy HCD requirements and a letter was sent to HCD on May 25, 2011, for further action. A Violation Notice was issued in July 2011. A meeting was held on July 28, 2011, with Marble Hall Apartment management to discuss the progress of eliminating the illegal connection. Per the management of the apartment complex, the connection was re-routed in August 2011. Follow up testing was carried out in September which indicated that the fix did not prevent storm water from getting into the sanitary sewers. The City attempted to coordinate with the property owner to fix the problem permanently but the property owner is not responsive. This location has been referred to the Code Enforcement Legal Section of HCD (ID 28567). The violation has been corrected. A City representative visited the site and conducted visual inspection and dye test on March 11, 2013, to confirm. This location is closed.

The City plans to perform supplemental investigation as part of the Paragraph 9 Sewershed Studies. Under these studies, each of these connections and any additional connections will be investigated and a distinction will be made between the two types of connections as noted herein.

- B. Updated List of Illegal Connections:** Appendix 3 contains the updated list of known illegal connections.
- C. Illegal Connection Enforcement and Implementation Plan:** This requirement has been completed as reported in Quarterly Report No. 7.
- D.** In a letter dated May 05, 2003, MDE stated that they had reviewed the draft plan for implementation and enforcement with regard to illegal connections and found it to be acceptable. As requested by MDE, the City is considering the merits of adding a provision to the Plan that would enable the City Department of Public Works to actually do disconnections themselves and bill people for the materials and labor as a last resort if they have a situation where flows may cause a SSO and there is no cooperation from the property owner. To date, the need for this has not occurred. EPA in its letter dated January 12, 2005 has approved the Illegal Sewer Connection Detection and Enforcement Plan.



- E. Progress of work under Paragraph 10 is as reported herein.
- F. **Privately-Owned Portion of a Customer Service Connection Lateral:** During the calendar quarter ending December 31, 2015, no privately-owned portion of a customer service connection was identified as a source of I/I that causes or contributes to an overflow from the collection system. During this same quarter, no owners of such laterals were notified of the need to repair, rehabilitate, replace or terminate their laterals, and no enforcement actions in regard to such laterals were pending.

### **Paragraph 11: Pumping Station Inspection, Rehabilitation, and Repair**

- A. **Pumping Station Rehabilitation and Repair:** As reported in Quarterly report No. 8, all pumping station rehabilitation projects are complete.
- B. **Pumping Station Inspection Procedures:** During the calendar quarter ending December 31, 2015, Baltimore inspected each of the eight pumping stations at least twice daily in accordance with Paragraph 11.B. All inspections were conducted in accordance with the inspection checklist attached as Appendix F to the Consent Decree, and completed inspection checklists are being maintained. All deficiencies noted during inspections were corrected within eight hours, or a work order was issued for correction. A listing of these work orders is attached as Appendix 4 to this Calendar Quarterly Report.

As reported in Quarterly Report No. 8, the project to upgrade the SCADA system for remote monitoring of pumping stations is completed. As such, the City of Baltimore recognizes that once daily pumping station inspections will satisfy the requirements of the Consent Decree in accordance with Paragraph 11.B.i.

- C. **Pumping Station Remote Monitoring:** As of December 31, 2015, Baltimore continuously monitored pumping station data in accordance with Paragraph 11.C. of the Consent Decree. Alarm data was electronically archived.
- D. **Pumping Station Equipment Inventory:** As of December 31, 2015, all pumps, motors, bar screens, sensors and other critical components of Baltimore's pumping stations had been assigned unique equipment identification numbers. These numbers are recorded in the maintenance information management system ("MIMS") operated by Baltimore's Wastewater Facilities Division.
- E. **Pumping Station Preventative Maintenance:** The MIMS system operated by Baltimore's Wastewater Facilities Division automatically generates work orders for preventive maintenance at Baltimore's eight pumping stations, including standard operating procedures and parts lists. During the calendar quarter ending December 31, 2015, the MIMS system was used to initiate and track scheduled preventive maintenance activities at the pumping stations.

During the calendar quarter ending December 31, 2002, a procedure for determining the

cause of equipment and/or system failures was submitted as required by Paragraph 11.E.ii of the Consent Decree.

- F. Pumping Station Operation and Maintenance Manuals:** As of December 31, 2015, operations and maintenance (“O&M”) manuals for each of Baltimore’s eight pumping stations were up to date, reflecting current station configuration, equipment, and characteristics. Operating parameter value ranges for each pumping station are available in the standard operating procedures (“SOPs”) for that pumping station, which are posted at the pumping station and considered part of the O&M manual. Pump run times are kept in the log books at each pumping station.
- G. Progress Reports:** Table 11-1 Summarizes the status of Baltimore’s pumping station inspection and repair program during the calendar quarter ending December 31, 2015.

**Table 11-1: Pumping Station Inspection and Repair Program**

<b>Pumping Station</b>	<b>Date of Inspection Completion</b>	<b>Date of Repair Completion</b>	<b>Repairs or Improvements</b>	<b>No. of Overflows</b>
Eastern Avenue	All Pumping Stations inspected twice per day throughout reporting period	See Appendix 4	See Appendix 4	None
Brooklyn				None
Dundalk				None
Jones Falls				None
Locust Point				None
Quad Avenue				None
McComas				None
Westport				None

Progress toward installation of the new SCADA system for remote monitoring of pumping stations is reported in item 11.C above

**Paragraph 12: Collection and Transmission System Model**

- A.** The hydraulic modeling task for each sewershed will be performed utilizing the previously-selected hydraulic modeling software package: InfoWorks, marketed by Innovyze.
- B. Model Elements:** The InfoWorks hydraulic modeling package is fully compliant with the requirements listed in Paragraph 12.B.i of the Consent Decree.
- C. Model Project Approach Report:** This draft Report was submitted by the February 27, 2003 milestone date (150 days from the Date of Entry of the Consent Decree).
- D.** EPA in its letter dated January 12, 2005 has approved the Model Project Approach Report. Baltimore has initiated implementation of the Model Project Approach Report. The first phase of model implementation, involving the migration of the four models developed as part of previous sewershed studies into an InfoWorks environment, is

underway.

- E. Model Certification:** Baltimore completed implementation of the Model for each sewershed on or before submission of the respective Sewershed Study and Plan required under Paragraph 9, and certified the model for each sewershed at that time.
- F. Progress Report:** **The City continued development and enhancement of the model during this Quarterly period.**

### **Paragraph 13: Collection System Operation and Maintenance**

- A.** During the calendar quarter ending December 31, 2015, Baltimore continued to review current practices and procedures for collection system operation and maintenance, and to identify any changes that are needed for full compliance with the requirements of Paragraph 13.A. of the Consent Decree.
- B.** The draft Operations and Maintenance Program Report required under Paragraph 13.B. of the Consent Decree was submitted in accordance with the milestone date of January 28, 2003 (120 days from the Date of Entry of the Consent Decree). MDE has indicated approval of this draft Report; EPA has also approved this report in its letter dated January 12, 2005.
- C.** The City of Baltimore has implemented root and grease control programs after approval of chemical products that will be used as part of the cleaning for root and grease problem areas. Those pipes that are found to have root and grease problems are being treated under these programs and recorded/tracked in the GIS system.
- D. Progress Reports:** The implementation period of the Operations and Maintenance Plan was completed in July 2006. The City submitted the Year 1 Annual Report on October 30, 2007, which covered the time period from July 2006 to July 2007. This report includes all elements as specified in this section of the Consent Decree. The Year 2 Annual Report was submitted on October 30, 2008 and it covers the time period from July 2008 to June 2009. The Year 3 Annual Report was submitted to EPA/MDE and DOJ on October 27, 2009. The City of Baltimore submitted the fourth annual progress report, on October 28, 2010. The fifth annual progress report was submitted to EPA/MDE on October 21, 2011. The sixth annual progress report was submitted on October 25, 2012. The seventh annual progress report was submitted on October 30, 2013. **The eighth annual progress report was submitted on October 30, 2014**

### **Paragraph 14: Information Management System Program**

- A.** During the calendar quarter ending December 31, 2015, Baltimore continued to develop an information management system that will facilitate engineering analysis, evaluation, operation and maintenance of the collection system.
- B. Geographic Information System:** On September 24, 2004, Baltimore demonstrated

to EPA and MDE that the GIS is fully functioning and capable of displaying the information described in Paragraph 14.B.i through iv.

- C. 500 Scale Maps:** This requirement has been completed as reported in Quarterly Report No. 7.
- D. Global Positioning System:** Water and Wastewater Maintenance crews are equipped with eight global positioning system ("GPS") units for use in collection system maintenance. A standard operating procedure (SOP) has been developed for the use of these units in locating collection system components. Maintenance crews have received appropriate training to use the GPS units.
- E. Inventory of Collection System Components:** On September 24, 2004, Baltimore demonstrated to EPA and MDE that the GIS is fully functioning and capable of displaying the information described in Paragraph 14.E for each component.
- F. Update Inventory of Collection System Components:** Within ninety (90) days of completion of inspection or rehabilitation of a collection system component as required under Paragraph 9, Baltimore will update the collection system inventory.
- G. Progress Reports:** Development of the Baltimore collection system inventory database continued throughout the calendar quarter ending December 31, 2015. Most of the information currently in the database has been taken from record documents (for example, "as-built" drawings). **This information will be verified and supplemented with field inspection data/information, and all required database fields are being populated, as part of the Sewershed Studies required under Paragraph 9 of the Consent Decree. Progress toward implementation of the GIS is reported in Item 14.B. above.**

### **Paragraph 15: Valve Inspection and Repair Program**

- A.** All requirements of Paragraph 15 have been completed as summarized in Quarterly Report No. 7.
- B. Progress Reports:** All requirements of Paragraph 15 have been completed as noted in Appendix H of Consent Decree.

### **Paragraph 16: Emergency Response Plan – Un-permitted Discharges**

- A. Emergency Response Plan (ERP):** Baltimore has developed and implemented an Emergency Response Plan for protection of public health and the environment in the event of an un-permitted discharge from the wastewater collection system.
- B.** This requirement has been completed as reported in Quarterly Report No. 7.
- C.** The EPA and MDE reviewed the draft Emergency Response Plan, and review comments

were forwarded to Baltimore in a letter from EPA Region 3 received by Baltimore on July 23, 2002. The City of Baltimore revised the draft Emergency Response Plan accordingly by responding to the review comments within the 30-day requirement established by Paragraph 16.C. of the Consent Decree. MDE and EPA granted approval of the Plan in separate letters received by Baltimore on May 5, 2003, and May 14, 2003, respectively. As of the June 13, 2003 milestone date for implementation of the Plan (30 days from final approval), 70 copies of the Plan had been produced and distributed to appropriate staff.

- D. Yearly Review and Update:** During the Calendar Quarter ending December 31, 2007, the City submitted the Yearly Update for 2007. The 2008 update was submitted on December 26, 2008. The City of Baltimore submitted updates to the ERP for 2009 on December 28, 2009. The 2010 annual updates to the ERP were submitted to the Regulators on December 28, 2010. The 2011 annual updates to the ERP were submitted to the Regulators on December 23, 2011. The 2012 annual updates to the ERP were submitted to the Regulators on December 21, 2012. The 2013 annual updates to the ERP were submitted to the Regulators on December 21, 2013. **The 2014 annual updates to the ERP were submitted to the Regulators on December 18, 2014.**
- E.** No portion of the Emergency Response Plan is in dispute at this time, and Baltimore has implemented the Plan in its entirety.

### **Paragraph 17: Reporting of Discharge Events and Recordkeeping**

- A.** During the calendar quarter ending December 31, 2015, Baltimore has complied with the reporting requirements for overflows from the wastewater collection system as established by Paragraph 17 of the Consent Decree, by NPDES Permit Numbers 21555 and 21601, by State Discharge Permit Numbers 89-DP-0581 and 93-DP-0580A, and by State and Federal regulations. Oral notifications of overflows were made to MDE within 24 hours that Baltimore first became aware of them, and written reports were forwarded within 5 days. A summary of reported overflows for the calendar quarter ending December 31, 2015 is provided in Appendix 5.
- B.** During the calendar quarter ending December 31, 2015, Baltimore maintained a monitoring, sampling, analysis and reporting program to monitor water quality in Baltimore surface water. This program is administered by the Water Quality Management Section of the Environmental Services Division in accordance with the requirements of the NPDES referenced in item 17.A. above. Monitoring results are published annually in Baltimore's Water Quality Report.
- C.** Records of all sanitary sewer overflows from Baltimore's collection system during the calendar quarter ending December 31, 2015, are being maintained in accordance with the requirements of Paragraph 17.C.
- D.** Copies of all written reports prepared pursuant to Paragraph 17 will be maintained for a minimum of 5 years, as required by Paragraph 17.D.

### **C. DESCRIPTION OF ANTICIPATED PROBLEMS WITH SECTION VI REQUIREMENTS**

Issues and concerns related to Paragraph 8 construction projects are reported above in the Paragraph 8 section of this Calendar Quarterly Report. As of December 31, 2015, there were no other anticipated problems with Section VI requirements to report.

### **D. DESCRIPTION OF SEP ACTIVITIES**

The study and 30% design for the Patapsco Wastewater Treatment Plant Enhanced Nutrient Removal (ENR) project was completed and submitted to Maryland Department of the Environment (MDE) and US EPA Region III (EPA) in September 2004. The MDE letter approving the 30% design for the Patapsco Wastewater Treatment Plant was on December 01, 2004. The EPA letter approving the 30% design was on received May 24, 2005.

The consultant agreement for the design of the Patapsco Wastewater Treatment Plant ENR project was approved by the City's Board of Estimates on December 21, 2005. As of the calendar quarter ending December 31, 2015, SC 845R - BAF and tertiary PS bids were rejected and the project was re-advertised in December 2011 and bids were received on February 15, 2012. Notice to Proceed (NTP) for construction was issued on August 1, 2012 and the estimated construction completion date is February 2015. SC 852R - Denitrification filters project was advertised on March 27, 2009 and the bids were rejected. This project was re-advertised on October 13, 2009 and the successful bidder was awarded the NTP on December 29, 2009. **This project is currently in the construction phase.**

In addition, the City has selected the consultant for engineering services for SC 855 - ENR Modifications to the Existing Facilities at the Patapsco Wastewater Treatment Plant. As of the calendar quarter ending December 31, 2015, this contract was advertised on April 30, 2010, and bids were due on December 31, 2010. The construction NTP was issued on February 22, 2011. **This project is currently under one year warranty period.**

**Contract for the Improvements to the Headworks and Wet Weather Flow Equalization at Back River WWTP Project (SC 918) will be re-advertised**

### **E. ADDITIONAL MATTERS FOR THE ATTENTION OF THE EPA AND MDE**

As of the calendar quarter ending December 31, 2015 the City of Baltimore has updated the Sanitary Discharges of Unknown Origin (SDUO) tracking sheet to the Quarterly Report per the requirements of the policy letter by EPA and MDE dated March 31, 2009. The details of these sites are located in the SDUO tracking sheets in Appendix 5.

The City provided a response to MDE/EPA and requested additional time to research and develop possible methods of quantifying SDUOs in a letter dated April 30, 2009. The City submitted the SDUO Quantification Protocol to MDE and EPA for review, comments and approval on August 06, 2009. EPA/MDE issued a SDUO Quantification Protocol comment letter on December 21, 2009. The City of Baltimore issued a response letter to EPA/MDE on February 16, 2010. EPA/MDE approved the quantification protocol on October 12, 2010, and requested that the City apply the protocol to all resolved and outstanding SDUO sites since October 30, 2008, and to all future SDUOs. The City submitted a final approved copy of the SDUO Quantification Protocol to MDE/EPA on November 18, 2010 and sent in the application of the SDUO Protocol on December 28, 2010.





**APPENDIX 1**

**STATUS OF  
PARAGRAPH 8  
CONSTRUCTION PROJECTS**



APPENDIX 1  
 STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS  
 As of December 31, 2015

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSSO STRUCTURES ELIMINATED	STATUS
<b>UPPER JONES FALLS SEWERSHED</b>							
1	Wescom Run Interceptor (JP1 Branch) Sanitary Contract Nos. 760 & 769	1. Install approximately 880 linear feet of 30-inch parallel relief sewer from JP1B49 to JP110 (along JP190A-JP184) (SC760) 2. Install approximately 9,400 linear feet of 21- to 24-inch parallel relief sewer from JP120 to JP182 (SC769) 3. Rehabilitate approximately 3,300 linear feet of existing 18-inch sewer from JP107 to JP120 (SC768)	June 30, 2002	June 30, 2004	June 30, 2005	Eliminates SSO nos. 21, 22, 23, 24 and 29	Complete
2	Upper Jones Falls Interceptor (North & South of Pappal Cola Plant) Sanitary Contract Nos. 772 & 824	1. Rehabilitation of approximately 1,800 linear feet of existing 42- to 48-inch sewer located between JP01 (ML Washington Flume) and JP10, and approximately 6,570 linear feet of 48- to 60-inch sewer located between JP42 and the JP70. Replacement of approximately 1,800 linear feet of 48" sewer between JP10 and JP16, and approximately 1,550 linear feet of 60" sewer between JP70 and the Jones Falls Pumping Station (SC 772). 2. Replacement of approximately 7,080 linear feet of 48-inch sewer between JP16 and JP42 (SC 824). 3. Manhole and stream bank restoration.	June 30, 2004	December 27, 2006	12/30/2008 **	Eliminates SSO Nos. 33 and 34	SC 772- Practical Completion was achieved on June 30, 2006. SC 824 - Construction Phase** Letter sent to MDE and EPA on 6-25-07 requesting an extension of the SSO elimination date. MDE and EPA approved the extension. Practical completion was received on September 5, 2007. Eliminated SSO Nos. 33 and 34 on 12/10 and 12/23/08, respectively.
3	New Jones Falls Force Main/Pressure Sewer - Lower Section and Valve Improvements of existing Sanitary Contract Nos. SC770 & SC805	1. Replacement of approximately 1800 linear feet of force main/pressure sewer in Broadway from Oliver to Salt Chase Street connecting to High Level sewer (SC 770) 2. Improvements to gate valves, blow-off valves and air release valves for existing force main/pressure sewer (SC 805)	December 30, 2002	June 30, 2004	6/30/2005 - SEE STATUS	Contributes to elimination of SSO No. 5	SSO No. 5 cannot be eliminated until projects 4 and 5 are completed.
4	Jones Falls Pumping Station Force Main/Pressure Sewer Sanitary Contract No. 800	Upgrade existing force main/pressure sewer to handle increased flows from rehabilitated/upgraded Jones Falls Pumping Station as well as additional flows from possible future pumping stations in Stony Run and along the JGA branch	June 30, 2005	12/29/2007**	May 2, 2008	Contributes to elimination of SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 8-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Letter sent to MDE and EPA on 12/17/07 requesting additional 90 day extension for practical completion. Practical completion occurred on 1/15/08. Extension request approved by MDE on 1/16/08. MDE letter dated April 15, 2010. Awaiting response from EPA.
5	Jones Falls Pumping Station Sanitary Contract No. 822	Upgrade existing pumping station to handle at least 50 mgd.	December 30, 2005	12/29/2007**	June 30, 2008	Eliminates SSO No. 5	Construction Phase** Letter sent to MDE and EPA on 8-11-07 requesting additional 90 day practical completion extension to December 2007. MDE response letter approving additional extension received September 5, 2007. Beneficial Occupancy achieved 11/19/07.
6	Elimination of Collection System Overflows in Upper Jones Falls Sanitary Contract No. 870	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 20, 31, 32 and 36	Complete

Note: Shaded date cells indicate completion.

APPENDIX 1  
STATUS OF PARAGRAPH 8 CONSTRUCTION PROJECTS  
As of December 31, 2015

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVERTISED	DATE OF PRACTICAL COMPLETION	DATE SSO STRUCTURES ELIMINATED	SSO/CSSO STRUCTURES ELIMINATED	STATUS
<b>LOWER JONES FALLS SEWERSHED</b>							
7	Lower Jones Falls Interceptor (Upper Jordan Branch) Sanitary Contract Nos. 773 & 818	1. Install approximately 7,800 linear feet of 18- to 24-inch parallel relief sewer from JG090 (near Jones Falls Pumping Station) to JG607 (at the connection of the JG2 branch) (SC818) 2. Installation of approximately 1,500 linear feet of existing 12- to 50-inch (SC773) 3. Install electric rehabilitation, Full, Repair, Open, and Close (FROCC) (SC773) 4. Stream bank restoration along Union Avenue near Meadow Mills at Woodberry	July 31, 2003	June 30, 2008	2/28/10***	Eliminates SSO No. 67	Post-Construction Monitoring Phase. Monitoring period is extended at one site
8	Stony Run Interceptor and Pumping Station (JG Branch)* Sanitary Contract No. 618, 636, 639 & 647	1. Construct a 20 mgd capacity pumping station near Department of Public Works Solid Waste Site near the intersection of 26th Street and Saison Street. 2. Install approximately 1,200 linear feet of 24-inch force main from new pumping station to JFPS pressure sewer (length depends on location of pumping station) 3. Parallel approximately 1,600 linear feet of existing sewer from south of Coldspring Lane (JG48) to the new pumping station with 18 to 36-inch sewer	December 30, 2005 (SC-618 & 636) June 30, 2006 * (SC-639 & 647)	5/31/2009**	2/28/10***	Contributes to elimination of SSO No. 72; eliminates SSO No. 79	Practical completion was achieved on May 29, 2009 for the lower portion of the Stony Run Interceptor (SC-639). Non-CD portion of the project is nearly complete. Flow monitor installed at new Stony Run Pump Station on August 26, 2009. The City submitted an extension request to EPA and MDE for SSO 67 and 72 dated February 16, 2010 requesting an extension to February 28, 2011. The City further submitted another extension letter dated February 15, 2011 requesting an extension to June 26, 2011 for the upper portion of the project. The City believes that the hydraulic retention project at the BROWWTP, which the City believes is a major contributor to not being able to eliminate these SSOs.
9	Maryland Avenue Interceptor (JGB Branch) Sanitary Contract No. 766	1. Replace (upsize) approximately 4,400 linear feet of existing 12- to 24-inch sewer with new 21- to 36-inch sewer along branch interceptor, excluding proposed 900' N. Howard project area 2. Improvements to siphon (SSO No. 125 under I-83 (JG519-JG519)) 3. Sewer replacement may require crossing the CUL.	December 30, 2003	July 14, 2005 *	June 30, 2006	Eliminates SSO Nos. 69 & 125	Complete
10	Greencrest Avenue Interceptor (JGA Branch)* Sanitary Contract No. 820, 833	1. Install approximately 7,325 linear feet of 38- to 42-inch parallel relief of sewer from Bonaparte Avenue to the High level Interceptor on Eager Street. 2. Line approximately 6,000 linear feet of 15- to 33-inch existing sewer.	December 30, 2005	12/27/07 **	2/28/10***	Contributes to elimination of SSO No. 72	Construction Phase. SC 833-Extension letter was sent on 12-7-07 for a 90 day extension through March 25, 2008. This extension was approved and a subsequent extension for 90 days, through June 27, 2008, was approved. Awaiting response from MDE/EPA. Practical completion was achieved on May 27, 2008. Monitoring period began July 25, 2008. In a letter dated 11/08/2011, EPA approved the minor schedule modification.
11	Elimination of Siphon Blowoff (Siphon No. 6 - south of North Avenue Bridge, west of RR tracks) Sanitary Contract No. 830	1. Cleaning and inspection of siphon with repairs as necessary. 2. Elimination of blow-off.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO No. 68	Complete
<b>HERRING RUN SEWERSHED</b>							
12	Moore Run Interceptor - Middle Section Water Contract Nos. 7748 and 7751	Construction of approximately 400 linear feet of 18-inch, approximately 600 linear feet of 21-inch, approximately 4900 linear feet of 24-inch, approximately 1000 linear feet of 27-inch, and approximately 100 linear feet of 30-inch sewer to replace existing Interceptor	June 30, 2003	July 14, and Sept 2, 2005**	June 30, 2006	Contributes to elimination of SSO Nos. 116 and 119	Complete
13	Moore Run Interceptor - Lower Section Sanitary Contract No. 801 and 843	Construction of approximately 6900 linear feet of 42-inch, approximately 2700 linear feet of 36-inch siphon, and approximately 3700 linear feet of 54-inch sewer to replace the existing Interceptor	June 30, 2005	June 30, 2007	June 30, 2008	Eliminates SSO No. 83 and 94	Construction Phase - Complete
14	Moore Run Interceptor - Upper Section Sanitary Contract No. 817	Construction of approximately 1700 linear feet of 18-inch and approximately 2200 linear feet of 21-inch sewer to replace the existing Interceptor	June 30, 2004	June 30, 2005	June 30, 2006	Contributes to elimination of SSO Nos. 116 and 119	Complete
15	Elimination of Collection System Overflows in Herring Run Sewershed	Assess hydraulics and design improvements to areas adjacent to overflows	Existing on-call contract	June 30, 2003	June 30, 2004	Eliminates SSO Nos. 68 and 106	Complete
16	Elimination of Siphon Blowoffs (Siphon No. 2 - Bay View Yard south of RR tracks; Siphon No. 4 - Bowleys Lane/Merivale Road) Sanitary Contract No. 830	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 62	Complete**

Note: Shaded date cells indicate completion.

APPENDIX 1  
STATUS OF PARAGRAPHS 6 CONSTRUCTION PROJECTS  
As of December 31, 2015

PROJ. ID NO.	PROJECT	DESCRIPTION AND REMARKS	DATE CONSTRUCTION CONTRACT ADVISED	DATE OF PRACTICAL COMPLETION	DATE SBO STRUCTURES ELIMINATED	SSO/CSSO STRUCTURES ELIMINATED	STATUS
<b>GWYNNNS FALLS SEWERSHED</b>							
17	Procter Mill System Improvements including GSO Branch in Gwynns Falls Sewershed Sanitary Contract Nos. 777 & 804	Rehabilitation of approximately 12,000 linear feet of 12- to 24-inch conveyance piping (SC777) and approximately 33,000 linear feet of 8- to 10-inch collection piping (SC804)	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 28P, 29P and 33P	Complete
18	Dead Run System Improvements CRA Branch Sanitary Contract No. 788, 825	Clean, inspect and rehabilitate approximately 20,000 linear feet of 12- to 24-inch conveyance piping (COE) and approximately 11,000 linear feet of 8- to 12-inch collection piping (SC788)	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 16P and 17P	Complete
19	Maldens Choice Interceptor Sanitary Contract No. 826	Clean, inspect, and rehabilitate 12,400 linear feet of 12- to 24-inch conveyance piping.	On-call contract	June 30, 2007	June 30, 2008	Eliminates SSO Nos. 23P and 24P	Construction Phase - Complete
20	Elimination of Siphon Blowoffs (Siphon No. 11 - Annapolis Road and Clene Street; Siphon No. 12 - Chesholm Rd. west of Franklintown Rd.) SC No. 827	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 84 and 22P	Complete*
<b>COMBINED SEWER AREAS</b>							
21	Walbrook Sanitary Contract No. 760	Implementation of Long Term Control Plan and combined sewer separation design in Walbrook area		June 30, 2002	June 30, 2003	Eliminates CSO No. 21P	Complete
22	Forest Park Sanitary Contract Nos. 780 and 813	Implementation of Long Term Control Plan and combined sewer separation design in Forest Park area	December 30, 2003	June 30, 2005	June 30, 2006	Eliminates CSO No. 13P and SSO Nos. 10P, 11P, 12P, 18P, 19P, 25P, 28P, 27P and 31P. SSO Nos. 10P, 19P, 19P & 31P are eliminated.	Complete
<b>HIGH LEVEL SEWERSHED</b>							
23	Gwynns Run Interceptor Sanitary Contract No. 812	Improvements to the Gwynns Run Interceptor	December 30, 2004	February 25, 2007	12/27/2007**	Eliminates SSO Nos. 106, 107 and 130	Complete
24	Gwynns Run System Improvements Sanitary Contract No. 807	Assess hydraulics and design improvements to areas adjacent to overflows	June 30, 2003	June 30, 2006	June 30, 2007	Eliminates SSO Nos. 55, 56, 57, 80, 83, 103, 126, 127, 128 and 131	Complete
25	Elimination of Siphon Blowoffs (Siphon No. 9 and 10 - east of Dulles Rd. and Siphon No. 10 of Wilkens Avenue) SC No. 827	1. Cleaning and inspection of siphons with repairs as necessary. 2. Elimination of blow-offs.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO Nos. 79 and 81	Complete*
<b>LOW LEVEL SEWERSHED</b>							
26	Elimination of Siphon Blowoffs (Siphon No. 8 - rear of 800 Units) Sanitary Contract No. 827	1. Cleaning and inspection of siphon with repairs as necessary. 2. Elimination of blow-off.	On-call contract	June 30, 2004	June 30, 2005	Eliminates SSO No. 32P	Complete
* Approved by MDE/IEPA ** Approved by MDE. *** Approved by EPA							

Note: Shaded date cells indicate completion.



**STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS**  
As of December 31, 2015

Proj. No.	PROJECT	DESCRIPTION AND REMARKS	DATE CONTRACT ADVERTISED	DATE OF CONSTRUCTION COMPLETION	DATE OF EVALUATION COMPLETION	STATUS
JF-1	Lower Jones Falls Sewer Cleaning	<b>JONES FALLS SEWERSHED</b> SC 876 - The work includes the Lower Jones Falls Interceptor, located in the gravity sewage collection system. Typical work includes initial SONAR assessment of the sanitary sewers to quantify sediment and debris levels, cleaning 8,400 feet of 10" to 75" sanitary sewers between Falls Rd Siphon to the High Level Interceptor, with proper disposal of removed material, and post cleaning CCTV/SONAR/Laser assessment to document the internal condition of the pipes.	5/20/2009 (A)	1/1/2012 (A)	1/1/2013 (A)	This contract was awarded to Video Pipe Services (VPS) on October 21, 2009. The Cleaning of the Lower Jones Falls and Maryland Ave. Siphon Cleaning were combined into one Project (SC 876).
JF-2	Maryland Avenue Sewer Siphon Cleaning	SC 876 - The work includes Maryland Avenue Siphon, and sewers upstream of the Maryland Avenue Siphon (18 and 24-inch sewer siphon). Typical work includes initial SONAR assessment of the sanitary sewers to quantify sediment and debris levels, cleaning of Maryland Avenue Siphon, and various sewers upstream of the Maryland Avenue Siphon, with proper disposal of removed material, and post cleaning CCTV/SONAR/Laser assessment to document the internal condition of the pipes.	5/20/2009 (A)	1/1/2013 (A)	1/1/2014 (A)	This contract was awarded to Video Pipe Services (VPS) on October 21, 2009. The Cleaning of the Lower Jones Falls and Maryland Ave. Siphon Cleaning were combined into one Project (SC 876).
JF-3	Upper Jones Falls Interceptor Reactivation	Reactivation of an inactive 42-inch diameter Interceptor sewer along Jones Falls from Northern Parkway (MH S16CC_2045MH) to Cold Spring Lane (MH S1900_1042MH). Prior to reactivation of the 42-inch sewer, an internal inspection of the sewer was necessary to find the actual condition of the line. The City utilized its technical support consultant (KC) to carry out the inspection process. The field work was started in September 2009 and their findings were completed and a final report was delivered on June 30, 2010.	07/15/2009 (A)	08/08/2010 (A)	N/A	Per Consultant's (KC) evaluation of the inspection and cleaning work, the line is in fairly good condition and can be re-activated without any major rehabilitation work. This project is complete and the City will utilize this line in the future as deemed necessary. A construction project will not be pursued. All future work for this pipe will be tracked independently by the City. Conditional Acceptance was issued on 11/17/10, and Final Acceptance was on 09/22/11.
JF-4	SC 895 - IMD Ave Sewer Rehab	SC 895 - Repair and rehabilitation of sanitary sewer and manholes in the Maryland Ave sub-sewershed of the Jones Falls Sewershed.	11/04/11 (A)	05/20/13 (A)	5/8/14 (A)	Bids were opened on 12/14/11 and AM Liner was the lowest bidder. Contract was awarded to AM Liner on 03/21/2012. Pre-construction meeting was held on May 17, 2012. Construction began June 2012. Fourth construction progress meeting was held on March 20, 2013. Last construction progress meeting was held on May 08, 2013. Construction completed.
JF-5	SC 898 - Stony Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Stony Run Area of the Jones Falls Sewershed.	7/27/2012 (A)	1/29/2016	1/29/2017	The project was advertised on 7/27/12. The lowest bidder is Insituform Technologies. Award date is 12/19/12 and NTP issued on 2/8/13. Project in liquidated damages
JF-6	SC 899 - Western Run Area	Repair and rehabilitation of sanitary sewer and manholes in the Western Run Area of the Jones Falls Sewershed.	7/27/2012 (A)	3/1/2016	3/1/2017	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies. Award date is 12/19/12 and NTP issued on 2/8/13. Project in liquidated damages
JF-7	SC 900 - Upper Jones Falls and Maryland Avenue	Repair and rehabilitation of sanitary sewer and manholes in the Upper Jones Falls and Maryland Avenue areas of the Jones Falls Sewershed.	7/27/2012 (A)	7/7/2016	7/7/2017	The project was advertised on 7/27/2012. The lowest bidder is Insituform Technologies. Award date is 12/19/12 and NTP issued on 2/8/13. Project in liquidated damages
JF-8	SC 897R - Greenmount, Hampden and Bolton Hill	Repair and rehabilitation of sanitary sewer and manholes in the Greenmount, Hampden, and Bolton Hill areas of the Jones Falls Sewershed.	3/22/2013 (A)	11/6/2016	1/1/6/2017	The contract was advertised on 3/22/13. The lowest bidder is Insituform Technologies. Award date is 6/26/13 and NTP issued on 6/27/13. Project in liquidated damages
DF-1	Sediment Cleaning Trunk Sewers in City of Baltimore.	<b>OUTFALL SEWERSHED</b> SC 894 - Cleaning of Outfall Sewersted 96-inch and Outfall Interceptor (From N. Bond Street to #300 Block of E. Lombard Street)	08/05/11 (A)	04/12/2014 (A)	4/12/2015 (A)	This contract was awarded to Meira Industries, who was the lowest bidder, on 08/11. NTP was issued on 8/11. Cleaning of the outfall stopped as of 6/25/12. Project re-started on 4/20/13 and was completed on 4/27/14.
DF-2	SC934 - CLEANING OF THE OUTFALL INTERCEPTOR AND RELIEF SEWERS - PHASE II	Cleaning of the relief sewer and outfall interceptor - phase II	12/13/2013 (A)	3/10/2016	3/10/2017	The contract was advertised on 12/13/13. The lowest bidder is Meira Industries. Award date is 3/12/14 and NTP issued on 4/24/14.
DF-3	SC919 - Sewer Rehab in the Outfall Sewershed	SC 919 - Sewer Rehab in the Outfall Sewershed	7/17/2015 (A)	1/17/2018 (F)	1/17/2019 (F)	The contract was advertised on 7/17/2015. Bid opening is 8/26/2015.

**STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS  
As of December 31, 2015**

HIGH LEVEL SEWERSHED						
HL-1	Liberty Heights Relief Sewer	SC 879 - Design and construction 18" Relief Sewer from intersection of Springdale Rd and N Hillon St to intersection of Weabash Ave and Liberty Heights Ave. (S060UJ_007MM) to S130UJ_008MM). Work includes excavation and removal of existing 12 inch sewer line, installation of 2400 LF of new 18-inch sewer line and relocation of 720 LF of 20-inch water line. Evaluation phases will include continual monitoring of existing engineered SSOs 132, 134 and 135 to ensure no overflows	2/10/2012 (A)	4/11/2014 (A)	4/11/2015 (A)	The contract was advertised on 2/10/12. Bids were due by 5/2/12, but date was extended to 4/4/12. The contract was awarded to Monumental Paving and Excavating Inc. First construction progress meeting was held on 3/20/13.
HL-2	SC907 - East Baltimore Region	SC 907 - Repair and rehabilitation of sanitary sewer and manholes in the East region of the High Level Sewershed.	3/22/2013 (A)	1/20/2016	1/20/2017	The contract was advertised on 3/22/13. The lowest bidder is Inland Waters. The project was awarded on 3/14/13 and NTP was issued on 11/17/13. Project in liquidated damages
HL-3	SC906 - West Baltimore Region	SC 906 - Repair and rehabilitation of sanitary sewer and manholes in the West region of the High Level Sewershed.	5/10/2013 (A)	2/27/2016	2/27/2017	The contract was advertised on 5/10/13. Lowest Bidder is SAK Construction. The contract was awarded on 11/13/13 and NTP issued on 2/5/14.
HL-4	SC932 - Improvements to Lower Gwynns Run Interceptor - Phase II From Franklin Street to Baltimore Street	SC 932 - Improvements to Lower Gwynns Run Interceptor - Phase II From Franklin Street to Baltimore Street - microtunneling project	7/26/2013 (A)	11/25/2015 (A)	11/25/2016 (P)	The contract was advertised on 7/26/13. Lowest Bidder is Bredshaw Construction. Contract was awarded on 3/12/14 and NTP issued on 5/28/14.
HL-5	SC933 - High Level Interceptor Cleaning	SC 933 - cleaning of the High Level Interceptor	7/26/2013 (A)	5/3/2016	5/3/2017	The contract was advertised on 7/26/13. Lowest Bidder is Video Pipe Services Construction. Due to an unbalanced bid, the contract will be awarded to the second lowest bidder Proven Management. Award date is 4/23/14 and NTP issue date is 7/30/14
HL-6	SC905 - North Region of High Level Sewershed	SC 905 - Repair and rehabilitation of sanitary sewer and manholes in the North region of the High Level Sewershed.	10/11/2013 (A)	6/4/2015	6/9/2016	The contract was advertised on 10/11/13. Lowest Bidder is Spiniello. Contract was awarded on 3/19/14 and NTP issued on 6/2/14. Project completed
Herring Run Sewershed						
HR-1	SC911 - Herring Run Sewer Improvement	SC 911 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	8/16/2013 (A)	3/1/2016	3/1/2017	The contract was advertised on 8/16/13. Lowest Bidder is AM Line East. Contract was awarded on 2/5/14 and NTP issued on 5/14/14.
HR-2	SC908 - Herring Run Sewer Improvement	SC 908 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	9/6/2013 (A)	3/18/2016	3/18/2017	The contract was advertised on 9/6/13. Lowest Bidder is Anchor Construction. Due to issues with MBE/MBE the contract was awarded to the second lowest bidder AM Line East. Contract was awarded on 2/5/14 and NTP issued on 5/1/14.
HR-3	SC909 - Herring Run Sewer Improvement	SC 909 - Repair and rehabilitation of sanitary sewer and manholes in the Herring Run Sewershed.	10/11/2013 (A)	3/4/2016	3/4/2017	The contract was advertised on 10/11/13. Lowest Bidder is Inland Construction. Contract was awarded on 1/29/14 and NTP issued on 4/21/14.
HR-4	SC937 - Improvements to Sanitary Sewers in HR07A and along Chestlerfield Avenue in Herring Run Sewershed	Improvements to Sanitary Sewers in HR07A and along Chestlerfield Avenue in Herring Run Sewershed	7/17/2015 (A)	7/17/2017 (P)	7/17/2018 (P)	The contract was advertised on 7/17/2015. Bid opening is 8/19/2015.
Low Level Sewershed						
LL-1	SC922R - Low Level Interceptor Cleaning	SC 922R - cleaning of the Low Level Interceptor	1/31/2014 (P)	11/24/2015 (A)	11/23/2016	The contract was advertised on August 16, 2013. Lowest Bidder is Video Pipe Services Construction. Due to unbalanced bids, this contract was re-advertised on 2/7/14. Lowest Bidder is Video Pipe Services Construction. Award date is 7/23/14. NTP issued on 10/1/2014.
LL-2	SC913 - Western Region of Low Level	SC 913 - Repair and rehabilitation of sanitary sewer and manholes in the Western Region of the Low Level Sewershed.	9/20/2013 (A)	10/8/2015 (A)	10/9/2016 (P)	The contract was advertised on 9/20/13. The lowest bidder is Meira. Contract was awarded on 2/12/14 and NTP issued on 4/17/14.
LL-3	SC912 - Eastern Region High Level	SC 912 - Repair and rehabilitation of sanitary sewer and manholes in the Eastern Region of the Low Level Sewershed.	9/20/2013 (A)	8/1/2016	8/1/2017	The contract was advertised on 9/20/13. The lowest bidder is Insituform. Contract awarded on 1/15/14 and NTP issued on 3/7/14.
LL-4	SC914 - Improvements to Sanitary Sewers in Low Level Sewershed	SC 914 - Improvements to Sanitary Sewers in Low Level Sewershed	6/26/2015 (A)	12/30/2017 (P)	12/30/2018 (P)	The contract was advertised on 6/26/2015. Bid opening is 7/28/2015.

Note: Shaded date cells indicate completion.



**STATUS OF PARAGRAPH 9 CONSTRUCTION PROJECTS  
As of December 31, 2015**

Gwynns Falls Sewershed						
GF-1	SC920 - South Area Gwynns Falls	Improvements to the Gwynns Falls Sewershed Collection System - Area A	6/6/2014 (A)	9/21/2016	9/21/2017	The contract was advertised on 6/6/14. The lowest bidder is SAK Construction. NTP was issued on 1/12/2015.
GF-2	SC938R - Maidens Choice Pressure Sewer Inspection and Uplands Sewer Rehab	Maidens Choice Pressure Sewer Inspection and Uplands Sewer Rehab	6/26/2015 (A)	6/30/2016 (P)	6/30/2017 (P)	The contract was advertised on 6/26/2015. Bid opening is 7/29/2015.
DD-1	SC 902 - Sewer Rehab in the Durdalk	Durdalk Sewershed	3/8/2015 (A)	9/15/2017 (P)	9/15/2018 (P)	The contract was advertised on 3/8/15. Bid opening is 4/8/2015. The lowest bidder is Spinello. NTP will be issued on 1/14/2015.
PA-1	SC 903 - Sewer Rehab in the Palapasco Sewershed	Palapasco Sewershed	7/24/2015 (A)	1/24/2018 (P)	1/24/2019 (P)	The contract was advertised on 7/24/2015. Bid opening is 8/26/2015.

Key: "SS - XX" = Sewershed Name - CD Project No.



## **APPENDIX 3**

# **LIST OF ILLEGAL CONNECTIONS**



City of Baltimore Sanitary Sewer Overflow Consent Decree  
 Civil Action No. JPM-02-1524  
 List of Illegal Connections

File Address	Tax ID	Person/Entity Responsible	Source Type	Date Identified	Days Elapsed	Current Status	Comments
1. 1502 Brentway Ave.	1778 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
2. 1502 Brentway Ave.	1778 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
3. 1311 Clark Ln.	2118 15	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
4. 1311 Clark Ln.	2118 15	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
5. 2601 Clark Ln.	2588 11	Property Owner	Area Drain	7/21/2005	Positive	Newly Identified	Confirmed Not Illegal
6. 2338 Crest Rd.	1414 12	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
7. 2345 Crest Rd.	1414 12	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
8. 2345 Crest Rd.	1414 12	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
9. 2811 Crest Country Blvd.	9714 12	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
10. 8329 Harford Dr.	1548 12	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
11. 8658 Harford Dr.	1548 12	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
12. 8658 Harford Dr.	1548 12	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
13. 8658 Harford Dr.	1548 12	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
14. 6109 Greenwing Ave.	653 8 5	Property Owner	Downspout	4/07/2011		Illegal	On 12/15/2011, a letter was sent to the property owner on August 08, 2011. A follow up letter dated 01/05/2012 was sent to the property owner requesting that the drain be disconnected. Corrective action has been taken. This was confirmed and confirmed that the problem has been solved.
15. 1538B-4	1538B-4	Property Owner	Area Drain	3/24/2005	Positive	Newly Identified	Confirmed Not Illegal
16. 1721 N. N. Oak Rd.	1001A 12	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
17. 1721 N. N. Oak Rd.	1001A 12	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
18. 2415 N. N. Oak Rd.	1031A 11	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
19. 2524 N. N. Oak Rd.	818 17	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
20. 2524 N. N. Oak Rd.	818 17	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
21. 2815 Lochlan Rd.	1348 11	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
22. 4024 Marble Hill Road		Property Manager	Stormwater Drain	4/13/2011		Illegal	A letter was sent to HCD on May 25, 2011, for further action. A Violation Notice was issued in July 2011. A meeting was held on July 28, 2011, with Marble Hill Apartment management to discuss the progress of remediation. The drain was disconnected on August 11, 2011. Follow up testing was carried out in September which indicated that the fix has not prevented storm water getting into the sanitary sewers. Further testing was carried out on 11/02/11 which results in the same. A letter dated 11/02/11 was sent to HCD to continue enforcement. Property owner is not responsive. DPW will continue with HCD for enforcement. This violation has been corrected. A City representative visited the site said that the connection is illegal. The violation was closed on March 31, 2013 to confirm. This violation is closed.
23. 3 Millbrook Rd.	D 1	Property Owner/Truuba	Patio Drain	5/19/2011		Illegal	It was confirmed as an illegal connection in May 2011 after carrying out more dye-testing. A letter was sent to the property owner on August 08, 2011. A follow up letter dated 11/29/11 was sent to the property owner requesting that the temporary seal be removed.
24. 5802 Park Heights Ave.	7018 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
25. 7018 2	7018 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
26. 7018 12	7018 12	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
27. 7018 15	7018 15	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
28. 5905 Park Heights Ave.	9218 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
29. 5905 Park Heights Ave.	9218 2	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
30. 5414 Park Heights Ave.	3154 4	Property Owner	Area Drain	7/21/2005	Positive	Newly Identified	Confirmed Not Illegal
31. 7115 Park Heights Ave.	2154 13	Property Owner	Downspout Connection	6/20/2005		Newly Identified	Confirmed Not Illegal
32. 7115 Park Heights Ave.	2154 13	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
33. 1511 Prince Ave.	2038 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
34. 1511 Prince Ave.	2038 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
35. 8104 Prince St.	1254 11	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
36. 8329 Prince St.	1278 11	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
37. 5521 Quak Ave.	3341 11	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
38. 11702 South Rd.	3244 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
39. 11702 South Rd.	3244 2	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
40. 2117 Soligrove Ave.	3208 16	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
41. 2627 Thane Rd.	1838 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
42. 2627 Thane Rd.	1838 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
43. 2627 Thane Rd.	1838 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
44. 2627 Thane Rd.	1838 4	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
45. 1818 15	1818 15	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
46. 2810 W. Southmore Ave.	1854 15	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
47. 2601 Chestnut Hill	3702/2005	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
48. 4215 Chestnut Hill	5062/2005	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
49. 4215 Chestnut Hill	5062/2005	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
50. 4414 Chestnut Ave.	5112/2005	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
51. 2705 Queen Anne Ave.	5920/2005	Property Owner	Downspout	6/20/2005		Newly Identified	Confirmed Not Illegal
52. 3514 Howard Ave		Property Owner	Swimming Pool	8/9/2011	Positive	Illegal	A letter dated 12/9/11 was sent to the property owner requesting that the drain be disconnected from the swimming pool. The illegal connection was removed by the owner.

# **APPENDIX 4**

## **PUMPING STATION WORK ORDERS**





CR's & MDP's  
Blank Issues, etc & Misc  
Status: 10 & 25

Co.	No.	Area	Machine	Machine Description	HD	Plar	Start Problem Description	Full Problem Description	Wk	Wk	Wk	Wk
					Sts	Code			Req.	Date	Wk	Wk
									Code	Date	Req.	Wk
11	11	PUMPING ST	EASTER 91348	FOUNTAIN WATER	25	4	16.80002	LOW WATER PRESSURE IN JUNCTION 6-9772	WJ	06/06	20150716	415
					25	30	14.82473	BLDG-COMP- WAVE SENSOR REO BY R STOKER JR	RSJ	06/06	20140516	409
					25	30	14.82481	BLDG-COMP- WAVE SENSOR REO BY R STOKER JR	CS	06/06	20140522	415
					25	30	15.82347	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20150519	409
					25	4	13.81512	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20131021	418
					25	4	14.80990	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20140423	415
					25	4	14.82482	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20150626	415
					25	4	15.82352	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20150618	415
					25	30	12.80936	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20140913	409
					25	4	14.82487	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20140830	415
					25	4	16.80006	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20150708	415
					25	30	16.80009	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20150709	415
					25	30	16.81104	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20151105	426
					25	4	15.82657	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20150826	415
					25	4	13.80582	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20120420	409
					25	4	15.82455	BLDG-REPAIR PLUMBING IN WFT STEELPER 64972	CS	06/06	20150626	415
Total: 06/06 W Work Orders: 59												
					25	2	15.81887	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	WJ	06/06	20150401	422
					25	3	13.80567	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	WJ	06/06	20120820	421
					25	30	12.80163	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20110716	423
					25	30	12.80180	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20110725	421
					25	30	12.80520	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20110805	415
					25	30	12.81943	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20111222	421
					25	30	13.81853	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20130219	415
					25	4	12.80168	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20110721	421
					25	4	12.80172	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20110721	421
					25	4	12.81216	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20111303	451
					25	4	12.82390	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20120721	415
					25	4	12.82741	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20120727	422
					25	4	12.83007	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20120409	415
					25	4	12.83390	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20120511	421
					25	4	12.83383	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20120531	422
					25	4	13.81856	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20130720	415
					25	4	13.82253	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20130429	446
					25	4	14.82425	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20140415	415
					25	30	15.80605	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20140915	430
					25	4	13.80554	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20110024	415
					25	4	14.80572	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20130808	421
					25	4	14.80628	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20130812	409
					25	4	14.82871	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20140610	415
					25	30	14.80559	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20130804	415
					25	30	15.81639	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20150218	421
					25	30	15.82329	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	CS	06/06	20150505	441
					25	4	12.82279	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	WJ	06/06	20120715	422
					25	4	13.81868	ELPCS-REPORT TO RESET WFT STEELPER 6-9772	WJ	06/06	20130404	415

Co	Area	Loc.	Machine	Machine Description	Unit	Sts	Prty	Code	Plnr	Short Problem Description	Full Problem Description	Req. Qty	Code	Issue Date	Wk Sht	Clis
11	PUMPING ST	DUNDAL	947409	HEATER, UNIT GENERATOR RD	25	4			13-81875	ELOPS/ REPLACE UNIT HEATIE stielperg 64972		CS	ELOPS	20130307	W22	
		DUNDAL	948184	CONTROL UPD #3 SEWAGE PUM	25	4			13-82245	ELOPS-REPAIR DRIVE	PER DY J. HARROCK 6-9748		JCR	20130417	W21	
		DUNDAL	941000	FACILITY DUNDALK PUMPING	25	4			14-80099	ELOPS/ RELAMP OFFICE / SC areas stielperg 64972		CS	JCR	20131021	W15	
		DUNDAL	944601	PUMP, VACUUM #1	25	4			14-81226	ELOPS/ASSIST MECH WITH RE stielperg 64972		CS	JCR	20131126	W15	
		DUNDAL	944603	PUMP, VACUUM #3	25	4			14-81245	1 MCHPS/ELCP5-REPAIR PUMP I stielperg 64972		CS	JCR	20131210	W21	
		DUNDAL	943101	SCREEN, #1 BAR	25	4			14-82460	1 MCHPS/ELCP5 MAKE REPAIRS C stop mid travel stielperg 64972		CS	JCR	20140509	W15	
		DUNDAL	941009	FACILITY DUNDALK PUMPING	25	4			15-81628	ELOPS-RELAMP PUMP ROOM RW form 64972		CS	JCR	20150205	W20	
		DUNDAL	948024	PANEL, SEAL WATER SYS. PRES	25	4			15-82336	ELOPS/ REPAIR DR REPLACE to seal water system that has damaged due to pump room flood		CS	JCR	20150512	W15	
		DUNDAL	940018	INDUCTOR, GAS	25	4			15-82338	ELOPS-INSTALL EXPLOSION P PER DY RW PER ELLWOOD KLUMP		RUJ	JCR	20150512	W22	
		DUNDAL	941000	FACILITY DUNDALK PUMPING	25	4			16-81137	ELOPS-REPAIR MCC ROOM (OL M. Johnson 6-4972		US	JCR	20151125	W20	
		EASTER	911000	FACILITY EASTERN AVENUE	25	30			12-82401	ELOPS-REPAIR DR REPLACE P Sullivan 6-4972		US	JCR	20120228	W44	
		EASTER	913202	MOTOR, INDR SCREEN (SOUTH)	25	30			12-83605	ELOPS-TREPAIRING INUT	PER DY U. SULLIVAN	US	JCR	20120629	W21	
		EASTER	912102	VALVE, COKE #2 PUMP	25	30			13-81866	1 MCHPS/ELCP5-REPAIR DR REP Sullivan 6-4972		JCR	JCR	20130514	W21	
		EASTER	915510	FAN, EXHAUST	25	30			14-80012	1 MCHPS/ELCP5-REPAIR UNIT KEEP stielperg 64972		CS	JCR	20140717	W21	
		EASTER	913201	MOTOR, INDR SCREEN (NORTH)	25	30			15-81636	ELOPS/REPAIR UNIT KEEPS I on (try rec) stielperg 64972		CS	JCR	20150210	W21	
		EASTER	916910	VALVE, CW-10 BRATE(VAULT #1)	25	30			16-80426	ELOPS/ REPAIR VALVE OPERIT C no power to unit J see C stielperg 64972		CS	JCR	20150831	W21	
		EASTER	916908	VALVE, CW-8 BRATE(VAULT #2)	25	30			16-80639	ELOPS/REPAIR DR REPLACE V C HOD not working stielperg 64972		CS	JCR	20150902	W21	
		EASTER	916909	VALVE, CW-9 BRATE(VAULT #3)	25	30			16-80640	ELOPS/ REPAIR REPLACE VAL CHOD not working stielperg 64972		CS	JCR	20150902	W21	
		EASTER	916910	VALVE, CW-10 BRATE(VAULT #1)	25	30			16-80641	ELOPS/ REPAIR DR REPLACE CHOD not working stielperg 64972		CS	JCR	20150902	W21	
		EASTER	916511	SWITCH, PANEL "C" AND	25	30			16-80643	ELOPS/ REPAIR REPAIR DR panel C switches do not work		CS	JCR	20150902	W15	
		EASTER	911000	FACILITY, EASTERN AVENUE	25	30			16-80646	ELOPS/ REPAIR VALVE OPER CHOD switches not working J stielperg 64972		CS	JCR	20150902	W21	
		EASTER	916901	VALVE, CW-1 BRATE(VAULT #1)	25	4			16-81140	ELOPS-REPAIR PARKING LOT the lights are not coming on		HJ	JCR	20151201	W20	
		EASTER	916901	VALVE, CW-1 BRATE(VAULT #1)	25	4			12-83325	ELOPS/REPAIR ELECTRIC DPE stielperg 64972		US	JCR	20120508	W15	
		EASTER	913101	SCREEN, DR (NORTH)	25	4			13-80024	ELOPS-ASSIST MECH WITH R HDWS 69701		UN	JCR	20120719	W15	
		EASTER	916021	LUMBER, AUTUM GENERATORS	25	4			13-80546	1 ELOPS/CHECK FAN FUR PROPE running slow see stielperg 64972		CS	JCR	20120802	W15	
		EASTER	911000	FACILITY, EASTERN AVENUE	25	4			13-81601	ELOPS/INVESTIGATE FIRE SU system pressure alarm (fire marshal) stielperg 64972		CS	JCR	20130117	W02	
		EASTER	911501	STARTER, UNIT #2, MOTOR	25	4			13-81618	ELOPS-REPLACE VACUUM CONT requester r. Slagton 6-9748		RLS	JCR	20130201	W15	
		EASTER	911000	FACILITY, EASTERN AVENUE	25	4			13-81948	ELOPS/REPAIR LIGHT FIXTURE stielperg 64972		CS	JCR	20130211	W20	
		EASTER	911000	FACILITY, EASTERN AVENUE	25	4			13-81989	ELOPS/REPLACE LIGHT SWITCH in shed #1 stielperg 64972		CS	JCR	20130321	W20	
		EASTER	913202	MOTOR, DR BAR SCREEN (SOUTH)	25	4			13-82236	ELOPS/ NEED BUCKET TRUCK		CS	JCR	20130415	W22	
		EASTER	916054	FAN, SUPPLY	25	4			13-82467	ELOPS-ASSIST MECH REQ BY		WH	JCR	20130521	W21	
		EASTER	916054	FAN, SUPPLY	25	4			14-80021	ELOPS-REPLACE MOTOR TRIPS REC DY C. STEELPER		CS	JCR	20130724	W15	
		EASTER	915426	HEATER, UNIT #4	25	4			14-81703	ELOPS-REPAIR HEATING UNIT Cnot working J stielperg 64972		CS	JCR	20140128	W21	
		EASTER	916601	MOTOR CONTROL CENTER (NDC)	25	4			15-80851	ELOPS-REPAIR MCC BREAKERS REC DY J. HARROCK 6-9748		CS	JCR	20141031	W21	
		EASTER	916601	MOTOR CONTROL CENTER (NDC)	25	4			15-81642	ELOPS-REPAIR GROUND KEY A REC DY J. HARROCK 6-9748		JCR	JCR	20150223	W15	
		EASTER	916220	GUARD, STATION	25	4			16-80017	ELOPS-GATE WONT OPEN DR remote		JCR	JCR	20150715	W21	
		EASTER	910935	PROBE, VAULT FLOOD	25	4			16-80424	ELOPS/ RESTORE MAIN POWER Cno alarm stielperg 64972		CS	JCR	20150831	W15	
		EASTER	911000	FACILITY, EASTERN AVENUE	25	4			16-81128	ELOPS/REPLACE LIGHT BULD bathroom		HJ	JCR	20151119	W20	
		HILLAND	964902	PANEL, MAIN CIRCUIT	25	30			12-81572	ELOPS/CHECKPANEL FUR PUM stielperg 64972		CS	JCR	20131206	W15	
		HILLAND	964100	FACILITY, METAL FABRICATION	25	30			13-82235	ELOPS-REPAIR STATION Sullivan 6-4972		CS	JCR	20130415	W20	
		HILLAND	964101	GENERATORS, EMERGENCY SET	25	4			12-82125	ELOPS/REPLACE BER BATTERY stielperg 64972		CS	JCR	20120124	W15	
		JF	921101	PUMP, SEWAGE #1	25	4			13-81851	1 MCHPS/ELCP5/REPAIR PUMP R stielperg 64972		CS	JCR	20130213	W15	
		JF	921102	PUMP, SEWAGE #2	25	30			13-80018	ELOPS-PUMP SHUTTING FAULT, Sullivan 6-4972		US	JCR	20120718	W41	
		JF	921202	MOTOR, SEWAGE PUMP #2	25	30			13-81770	ELOPS-DETERMINE CAUSE OF alarm and make repairs. Sullivan 6-4972		US	JCR	20130205	W41	
		JF	921203	MOTOR, SEWAGE PUMP #3	25	30			15-81056	ELOPS/CHECK MOTOR FUR PHA STEELPERG 64972 (PER TEAH SERO)		CS	JCR	20150105	W15	
		JF	921000	FACILITY, JONES FALLS	25	4			11-01290	1 PENW/ INVESTIGATE RE-LOCa horn into pump room stielperg 64972		CS	JCR	20101015	W51	
		JF	920936	TRUCKER, #1, INDR Z. AKOUELE	25	4			14-80542	ELOPS-FRI N REPAIRS TD DR requester R Slagton 6-9748		RLS	JCR	20130822	W15	



Co. No.	Area	Loc	Machine Number	Machine Description	HD Sts	Plan Pkty Code	W/O Number	Short Problem Description	Full Problem Description	Req. by	Craft Code	HD Issue Date	Wk Sht Tpf	Wk Sht Cts
11	PUMPING ST JF	JF	921000	FACILITY, JONES FALLS	25	4	14 01210	ELCP/REPAIR LIGHT IN STA stielperc 64972		CS	ELEPS	20131115	W20	
	JF	JF	924201	MOTOR #1 BAR SCREEN	25	4	14 02442	ELCP-NO POWER TO SCREEN req 69748 dtsmith		WJ		20140501	W21	
	JF	JF	921000	FACILITY, JONES FALLS	25	4	15 02035	ELCP/REPLACE LIGHT IN GE H Johnson 6-4972		WJ		20150430	W20	
	JF	JF	920504	PANEL STATION ALARM	25	4	16 01117	2 ELCP/OPSEF- RELOCATE THE Count Near From operating levels) stielperc 64972		CS		20151116	W41	
	LOGPO		987402	HEATER UNIT	25	30	12 01853	ELCP- UNIT NOT WORKING I manually Sullivan 6-4972		US		20111230	W23	
	LOGPO		987601	GENERATOR, EMERGENCY SET	25	30	13 01905	ELCP/REPAIR GEN WONT STA stielperc 64972		CS		20130326	W45	
	LOGPO		985202	MOTOR, SEWAGE PUMP B	25	4	13 00699	1 ELCP/MCHPS-CHECK PUMP RE REQ BY K. KUSCH		WK		20121107	W46	
	MCST		975102	PUMP, SEWAGE #2	25	30	12 00151	ELCP/CHECK FUR OPERATION stielperc 64972		CS		20110712	W15	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	11 02506	ELCP/TEST GENS. TUES. (M REQ. BY J. HARRICK 6-9748		JCH		20120531	W15	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	12 01215	ELCP/TEST GENS. (M REQ. BY J. HARRICK 6-9748		JCH		20110307	W38	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	12 03318	ELCP/TEST GENS (MAY) REQ. BY J. HARRICK 6-9748		JCH		20120507	W38	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	13 00636	ELCP/TEST STA, GENS. (M REQ. BY J. HARRICK 6-9748		JCH		20120531	W15	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	13 00636	ELCP/TEST STATION GENERA REQ. BY J. HARRICK 6-9748		JCH		20121004	W38	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	13 00728	ELCP/TEST STATION GENERA REQ. BY J. HARRICK 6-9748		JCH		20121130	W15	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	13 01385	ELCP/TEST GENS. AT PUMP REQ. BY J. HARRICK 6-9748		JCH		20130102	W15	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	13 02733	ELCP/TEST STA, GENS. (M REQ. BY J. HARRICK 6-9748		JCH		20130700	W38	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	14 00540	ELCP/TEST STA, GENS. (M REQ. BY J. HARRICK 6-9748		JCH		20130819	W15	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	14 02024	TEST STA, GENS. (APRIL) REQ. BY J. HARRICK 6-9748		JCH		20140415	W15	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	15 00629	ELCP/TEST STA, GENS. (SE REQ. BY J. HARRICK 6-9748		JCH		20141009	W40	
	PLTHO		999816	TEST, PUMPING STA, GENERATO	25	4	16 01100	ELCP/TEST STA, GENS (NO REQ. BY J. HARRICK 6-9748		JCH		20151103	W40	
	RUHO		937401	PANEL, BAR SCREEN CONTROL	25	30	13 00679	ELCP/RESET BAR SCREEN- J REQ. BY J. HARRICK 6-9748		JCH		20120030	W22	
	RUHO		102100	SWITCH, BATH	25	30	13 01879	ELCP/REPLACE TRANSF. SWITCH Sullivan 6-4972		US		20130312	W15	
	RUHO		937123	VFD #3 PUMP	25	30	15 02014	1 INSP/CHECK #3 VFD/CRANKING H. Johnson 6-4972		HJ		20150415	W25	
	RUHO		931202	MOTOR #2 SEWAGE PUMP/SLURR	25	4	13 00571	ELCP/TEAR REPAIRS TO MTR requester r slaugton 6-9752		RLS		20120827	W73	
	RUHO		937121	VFD #1 PUMP	25	4	13 00649	ELCP/TEAR REPAIRS TO THIS Job 2626 requester r slaugton 6-9748		RLS		20121011	W15	
	RUHO		931201	MOTOR #1 SEWAGE PUMP/SLURR	25	4	13 00693	ELCP/ INSPECT GUSE FIR stielperc 64972		CS		20121102	W41	
	RUHO		935501	LIGHT PANEK, EMERGENCY	25	4	13 01915	ELCP/REPAIR/REPLACE FLAT REQ. BY J. HARRICK 6-9748		JCH		20130401	W20	
	RUHO		932302	OPERATOR #2 PUMP COME VAL	25	4	14 02430	1 ELCP/MCHPS-REPAIR OPERAT correctltd stielperc 74972		CS		20140423	W15	
	RUHO		936105	FAN #2-3 BATH STOR ENHANC	25	4	15 00001	ELCP/INSPECT FLOORS FOR stielperc 64972		CS		20140707	W25	
	SPFRWJ		985200	FACILITY, PIER SIX	25	4	12 03332	ELCP/INSPECT FLOORS FOR stielperc 64972		CS		20120516	W15	
	STRWA		991134	PUMP, RAW SEWAGE #4 W/MOTO	25	30	11 03155	ELCP/SHIMMING SEAL LEAK f operable). Sullivan 64972		US		20110913	W21	
	STRWA		991135	PUMP, RAW SEWAGE #3 W/MOTO	25	30	12 00033	ELCP/SEAL LEAK FAULT IN. been informed) Sullivan 6-4972		US		20110414	W41	
	STRWA		991167	PANEL, VFD CONTROL #1 (OSP)	25	30	15 02015	1 INSP/ELCP/REPAIR FAULT (F-B over temp) stielperc 64972		CS		20150416	W15	
	STRWA		991167	PANEL, VFD CONTROL #1 (OSP)	25	30	15 02016	1 INSP/ELCP/REPAIR FAULT (F-B over temp) stielperc 64972		CS		20150416	W15	
	STRWA		991227	PUMP, SUMP #1	25	4	12 01210	ELCP/REPAIR FLOAT REQ BY C STEELPER		CS		20111014	W15	
	STRWA		991133	PUMP, RAW SEWAGE #3 W/MOTO	25	4	12 02369	ELCP/TEAR REPAIRS TO PUMP requester r slaugton 6-9752		RLS		20120209	W74	
	STRWA		991133	PUMP, RAW SEWAGE #3 W/MOTO	25	4	13 00034	ELCP/TEAR REPAIRS ON RUD serial # 153786-2 requester r slaugton 6-9700		RLS		20120730	W73	
	STRWA		991145	GENERATOR, EMERGENCY SET	25	4	16 00657	ELCP/CHECK GEN. (LON BRIT H. Johnson 6-4972		HJ		20150916	W41	
	STRWA		991135	PUMP, NET WELL SUMP CONTAI	25	4	16 00661	1 ELCP/MCHPS- REPAIR PUMP Cataloged stielperc 64972		CS		20150921	W35	
	ASPTI		970002	FLOW INDICATING RECORDER/	25	30	12 03349	1 INSP/NETER SHOWING FLOW not on Sullivan 6-4972		US		20120530	W23	
	MSPTI		972201	MOTOR, BAR SCREEN	25	30	13 01378	1 ELCP/MCHPS-MAKE REPAIRS mont run stielperc 64972		CS		20121226	W21	

Total # ELCP's # Work Orders: 120

Co. No.	Area	Loc	Machine Number	Machine Description	HD Sts	Plan Pkty Code	W/O Number	Short Problem Description	Full Problem Description	Req. by	Craft Code	HD Issue Date	Wk Sht Tpf	Wk Sht Cts
COLGAT	949202	MOTOR, STORM DRAIN PUMP	25	4	12 00554	2	ELEC/ELCP/REPLACE BEARING requester r slaugton 6-9752		RLS	ELEC	20110824	W15		
EASTER	917302	CRANE, MANDARILL (S TUR)	25	3	13 00570	1	ELEC. - BROKEN ELECTRIC C IL UNIT		WK		20120821	W21		
EASTER	915510	FAN EXHAUST	25	30	14 00012	1	1 HAZEL/OPS/REPAIR UNIT KEEP stielperc 64972		CS		20130717	W21		
EASTER	911000	FACILITY, EASTERN AVENUE	25	4	12 01051	1	ELEC-REPAIR PHONE LINE (L -410) 3964972stielperc		CS		20111212	W44		
EASTER	911000	FACILITY, EASTERN AVENUE	25	4	04J	1	ELEC-INVESTIGATE POSSIBLE A wall small wall mounted heater/chris 64972		CS		20120124	W27		

12/01/15 07:59:57

Combined Backlog Report  
ID ---> 06CKE15  
as of 12/01/15  
Status 10 & 25

Co No	Area	Loc	Machine Number	Machine Description	UO Sits	Plan Code	Plan Number	Short Problem Description	Full Problem Description	Rel. By	Craft Code	Issue Date	Work Sht T to do	CLS
11	PUMPING ST	HELAND	961800	FACILITY, HEAVY/HAZARDOUS	25	4	12 01895	ELEC- REPAIR PHONE LINE ( 450 396 7288 no exchange stielperc 64972	ELEC- REPAIR PHONE LINE ( 450 396 7288 no exchange stielperc 64972	CS	ELEC	20120103	W44	
			921000	FACILITY, JONES FALLS	25	4	11 01560	ELEC- INSPECT PHONE JACK office stielperc 64972	ELEC- INSPECT PHONE JACK office stielperc 64972	CS		20101109	W44	
			921000	FACILITY, JONES FALLS	25	4	11 03151	ELEC- WERZON TO CHECK PHO stielperc 64972	ELEC- WERZON TO CHECK PHO stielperc 64972	CS		20110411	W44	
			937330	SYSTEM, SCADA	25	4	11 80355	OPSEK/ RESTORE COMMUNICATI stielperc 64972	OPSEK/ RESTORE COMMUNICATI stielperc 64972	CS		20100722	W44	
			0100	182100 SWITCH MATR	2	4	12 00185	ELEC- REPLACE MEDIUM VOLTAGE at quad ave for 15kva transformer	ELEC- REPLACE MEDIUM VOLTAGE at quad ave for 15kva transformer	CS		20110727	W27	
			431PT	921000 FACILITY, WESTPORT	25	4	12 02734	ELEC- WERZON TO STRAIGHTEN communication line 410 396-7514---estielperc 64972	ELEC- WERZON TO STRAIGHTEN communication line 410 396-7514---estielperc 64972	CS		20120321	W44	

Total \* ELEC \* Work Orders:  
COUNT 11

CAROL	985300	FACILITY, CAROLINE ST P.S	25	30	16 80651	6R0DS / VMC CON TO CLEAR stielperc 64972	6R0DS / VMC TRUCK TO CLEAR stielperc 64972	CS						
CAROL	985300	FACILITY, CAROLINE ST P.S	25	30	16 80883	6R0DS / VMC TRUCK TO CLEAR stielperc 64972	6R0DS / VMC TRUCK TO CLEAR stielperc 64972	CS						
CAROL	985302	PUMP, STORM DRAIN #2	25	4	16 80875	6R0DS- REPOSITION PUMP TO S SEC KEITH RAYHUR	6R0DS- REPOSITION PUMP TO S SEC KEITH RAYHUR	JCP						
EASTER	919034	DUMPSITER, (MORTAR)	25	30	15 82020	6R0DS- NEED WAG-RAL TRUCK	6R0DS- NEED WAG-RAL TRUCK	WJ						
EASTER	911104	PUMP, SEWAGE #4	25	4	16 80026	6R0DS- DUMP TRUCK TO DELIVER EMULY TO EASTERN AVE. P.S. DUE DATE 07/22/21	6R0DS- DUMP TRUCK TO DELIVER EMULY TO EASTERN AVE. P.S. DUE DATE 07/22/21	WH						

Total \* 6R0DS \* Work Orders:  
COUNT 5

DRKLYN	955301	FAN, #1 EXHAUSTION ROOF	25	4	15 81029	HA-REPLACE BELT	HA-REPLACE BELT	JCH						
DRKLYN	957701	FOUNTAIN, DRINKING WATER	25	4	15 82654	2 6LDS/HA-REPAIR OR REPLACE cooler	2 6LDS/HA-REPAIR OR REPLACE cooler	WJ						
CAROL	985603	AIR CONDITIOER (WINDOW)	25	30	15 82346	HA/ REPLACE AC UNIT COLOM stielperc 64972	HA/ REPLACE AC UNIT COLOM stielperc 64972	CS						
CAROL	985603	AIR CONDITIOER (WINDOW)	25	30	16 80378	HA/ REPLACE A/C UNIT C RD stielperc 64972	HA/ REPLACE A/C UNIT C RD stielperc 64972	CS						
DUNBAR	947507	FAN, EF-4 EXHAUST (ROOF)	25	30	16 80020	HA- NOT WORKING NO AIR	HA- NOT WORKING NO AIR	CS						
DUNBAR	947803	FOUNTAIN, WATER	25	4	15 82656	2 6LDS/HA-REPAIR OR REPLACE cooler	2 6LDS/HA-REPAIR OR REPLACE cooler	WJ						
EASTER	915508	FAN, EXHAUST (EAST)	25	30	14 80809	2 HA/ELCP/REPAIR UNIT KEEP stielperc 64972	2 HA/ELCP/REPAIR UNIT KEEP stielperc 64972	CS						
EASTER	915510	FAN, EXHAUST	25	30	14 80012	2 HA/ELCP/REPAIR UNIT KEEP stielperc 64972	2 HA/ELCP/REPAIR UNIT KEEP stielperc 64972	CS						
EASTER	915202	PUMP, RECIRC #2 (DOLLER)	25	30	16 80380	HA-REPAIR PUMP C LEAKING stielperc 64972	HA-REPAIR PUMP C LEAKING stielperc 64972	CS						
EASTER	915417	AIR HANDLING UNIT AND CHE	25	30	16 80389	1 HA/PENG- KEEPS SHUTTING D stielperc 64972	1 HA/PENG- KEEPS SHUTTING D stielperc 64972	CS						
EASTER	915602	CONDITIOER, AIR/2	25	30	16 80390	HA/AC NOT WORKING-KEEPS req by J narock 6-9748	HA/AC NOT WORKING-KEEPS req by J narock 6-9748	JCH						
EASTER	915415	HEATER, UNIT #1 (3RD FLOOR)	25	30	16 80891	HA/ RESTORE HEAT TO OFFICE stielperc 64972	HA/ RESTORE HEAT TO OFFICE stielperc 64972	CS						
EASTER	915503	FAN, EXHAUST	25	4	13 82715	HA-REPAIR FAN CTRIPPED D Load-stielperc 64972	HA-REPAIR FAN CTRIPPED D Load-stielperc 64972	CS						
EASTER	915604	HEATER, UNIT #4 (PUMP FLR)	25	4	13 82722	HA-REPAIR LEAKING HEATER stielperc 64972	HA-REPAIR LEAKING HEATER stielperc 64972	CS						
EASTER	915413	HEATER, UNIT #1	25	4	14 81698	2 ELCP/HA-REPAIR HEATER ON stielperc 64972	2 ELCP/HA-REPAIR HEATER ON stielperc 64972	CS						
EASTER	915414	HEATER, UNIT #2	25	4	14 81699	2 ELCP/HA-REPAIR HEATING F stielperc 64972	2 ELCP/HA-REPAIR HEATING F stielperc 64972	CS						
EASTER	915415	HEATER, UNIT #3 (3RD FLOOR)	25	4	15 81629	HA-REPLACE HEAT/AC UNIT I stielperc 64972	HA-REPLACE HEAT/AC UNIT I stielperc 64972	CS						
EASTER	911018	FOUNTAIN, WATER	25	4	15 82653	2 6LDS/HA-REPAIR OR REPLACE cooler	2 6LDS/HA-REPAIR OR REPLACE cooler	WJ						
EASTER	911000	FACILITY, EASTERN AVENUE	25	4	15 82670	HA/ -REPAIR DRAIN LINE 0 OFFICE	HA/ -REPAIR DRAIN LINE 0 OFFICE	WJ						
EASTER	913603	MACHINE, ICE M/7/11ERS	25	4	16 80082	HA-REPLACE PRESSURE RELIEF valve is bad	HA-REPLACE PRESSURE RELIEF valve is bad	WJ						
EASTER	915101	DOLLER #1	25	4	16 80006	2 6LDS-FOUNTAIN, WATER/CONDIC M. JOHNSON 6-4972	2 6LDS-FOUNTAIN, WATER/CONDIC M. JOHNSON 6-4972	WJ						
JF	928702	FOUNTAIN, WATER COOLER	25	4	15 82652	2 6LDS/HA-REPAIR OR REPLACE water cooler	2 6LDS/HA-REPAIR OR REPLACE water cooler	WJ						
LUDPO	985000	FACILITY, LUDCUT POINT	25	4	16 80006	2 6LDS-FOUNTAIN, WATER/CONDIC M. JOHNSON 6-4972	2 6LDS-FOUNTAIN, WATER/CONDIC M. JOHNSON 6-4972	WJ						
MCST	976901	FOUNTAIN, WATER	25	4	16 80005	HA -WATER NOT COLD	HA -WATER NOT COLD	WJ						
MCST	976903	FOUNTAIN, WATER	25	4	16 80005	HA -WATER NOT COLD	HA -WATER NOT COLD	WJ						
WR00	995006	FOUNTAIN, WATER	25	4	15 82657	2 6LDS/HA-REPAIR OR REPLACE cooler	2 6LDS/HA-REPAIR OR REPLACE cooler	WJ						
STRON	991152	UNIT, AIRHANDLING #2	25	4	15 82019	HA/ADJUST BELT ON FAN MAT stielperc 6-4972	HA/ADJUST BELT ON FAN MAT stielperc 6-4972	CS						
431PT	971000	FACILITY, WESTPORT	25	4	15 82655	2 6LDS/HA-REPAIR OR REPLACE cooler	2 6LDS/HA-REPAIR OR REPLACE cooler	WJ						

Total \* HA \* Work Orders:  
COUNT 28

Co. No.	Area	Loc.	Machine No.	Machine Description	W/O Sits	Fltr Prcy Code	Fltr Code	Number	Short Problem Description	Full Problem Description	Rev. Ty	Crft Code	W/O Issue Date	Mrk Sht T p dia
11	PUMPING ST	000000	950054	LOOP 170 GAS DETECTOR, S/O	25	4	16-00419		INSPS-CHECK GAS METER(MOT W. JOHNSON 6-4972)		WJ	INSPS	20150927	W21
			950018	DETECTOR, MET WELL GAS	25	4	16-00640		INSPS-REPAIR SYSTEM, MET W. JOHNSON 6-4972		WJ	INSPS	20150904	W21
			985301	PUMP STORM DRINK #1	25	30	15-02350		2 ELSPS/INSPS-INVESTIGATE COV Temp/air Temp when running for extended time stielper		CS	CS	20150520	W51
			985701	CONTROLLER, PUMP #1	25	4	15-01484		1 THSPS/MPSEK-INVESTIGATE C not working in auto-stielper c 64972		CS	CS	20150202	W21
			985710	CONTROL, PLC	25	4	16-00894		INSPS-PLC SCREEN HAS DR P W. JOHNSON 6-4972		WJ	INSPS	20151007	W21
			985905	REORDER, CHART, MET WELL	25	4	16-01135		INSPS-CHECK RECORDER, MET W. JOHNSON 6-4972		CS	CS	20151024	W21
			948103	CONTROL, VFD #2 SEWAGE PUM	25	30	15-02329		2 MPSEK/INSPS/ELSPS-REPAIR GROUND FAULT-stiel etc 64972		CS	CS	20150505	W41
			948103	CONTROL, VFD #2 SEWAGE PUM	25	30	16-01113		INSPS/REPAIR DSUDE FAULT stielper c 64972		CS	CS	20151112	W41
			940017	MONITOR, GAS	25	4	13-02694		INSPS-CHECK FUR PROPER D REER DY R DARTON JR		ROJ	ROJ	20130607	W38
			940002	FLOW INDICATING RECORDER/	25	4	14-00527		INSPS/REPAIR UNIT MET W. JOHNSON 6-4972		CS	CS	20130812	W45
			940018	MONITOR, GAS	25	4	14-02194		INSPS-REPLACE IAD SENSOR REE DY R DARTON JR		ROJ	ROJ	20140314	W45
			940018	REORDER, MET WELL DOUBLER	25	4	15-01463		INSPS-REPLACE IAD SENSOR REE DY R DARTON JR		ROJ	ROJ	20150116	W45
			940018	REORDER, MET WELL DOUBLER	25	4	15-02034		INSPS-REPLACE PER CARTIDGE reorient/cartidge out of tank		WJ	WJ	20150430	W45
			940006	REORDER, MET WELL DOUBLER	25	4	15-02425		INSPS/ CHANGE RECORDER TO stielper c 64972		CS	CS	20150604	W45
			940032	UNIT, RADAR #3 (INFLUENT)	25	4	15-02430		INSPS-VERIFY PROGRAMERS REE DY R DARTON JR		ROJ	ROJ	20150611	W38
			947204	COMPRESSOR, W/MOTOR, DOUBLE	25	4	16-01112		THSPS/ REPLACE COMPRESSOR pressure J stielper c 64972		CS	CS	20151117	W45
			919509	SYSTEM, SCADA	25	30	15-02353		INSPS/ RESTORE COMMUNICAT station (off line J stielper c 64972		CS	CS	20150521	W49
			919502	SYSTEM, UPS	25	30	16-00658		INSPS/ INVESTIGATE CAUSE SCADA UPS stiel etc 64982		CS	CS	20150917	W41
			910017	COMBUSTIBLE GAS ALARM	25	4	12-00549		INSPS-REPAIR METER MET W. JOHNSON 6-4972		CS	CS	20110815	W23
			910019	COMBUSTIBLE GAS ALARM	25	4	13-00631		INSPS- CHECK FOR PROPER D REE DY R DARTON JR		ROJ	ROJ	20131004	W23
			913102	SCREEN, BAR (SOUTH)	25	4	16-00422		THSPS-REPLACE LEVEL METER REE DY R DARTON JR		ROJ	ROJ	20150027	W45
			920000	FACILITY, FURT NICKENRY	25	30	15-02662		2 INSPS/RESTORE SCADA COMM stielper c 64972		WJ	WJ	20151009	W23
			920005	CONTROLLER, PROGRAMMABLE	25	30	15-02029		INSPS/RESTORE SCADA COMM stielper c 64972		CS	CS	20150629	W45
			920091	PLC/LOCAL CONTROL STATION	25	30	16-00414		2 INSPS/ ELSPS-INVESTIGATE breaker 52-f fault J stielper c 64972		CS	CS	20150920	W51
			920092	PANEL, SCADA I/O	25	30	16-00430		INSPS/RESTORE BRK UP FLO TO control scheme stielper c 64972		CS	CS	20150901	W23
			920092	PANEL, SCADA I/O	25	30	16-00669		INSPS/ RESTORE SCADA COMM stielper c 64972		CS	CS	20150924	W45
			920018	DOUBLER, (METWELL)	25	4	12-01514		INSPS-REPAIR FAULT, MONT REE DY C STIELPER		CS	CS	20111123	W38
			920032	PANEL, SCADA I/O	25	4	14-02472		INSPS/ INSPECT FOR PROPER stielper c 64972		CS	CS	20140516	W44
			920032	PANEL, SCADA I/O	25	4	14-02482		INSPS-REPAIR SCADA STYEN communicating J 64972		ROJ	ROJ	20140523	W45
			920091	PLC/LOCAL CONTROL STATION	25	4	16-00667		INSPS-RESTORE BRK UP FLO operating system 64972		CS	CS	20150922	W21
			920017	MONITOR, MET WELL GAS/MEZZ	25	4	16-00668		INSPS-REPLACE IAD SENSOR REE DY R DARTON JR		ROJ	ROJ	20150922	W45
			986401	COMPRESSOR, W/CONTROLLER	25	2	16-00650		1 INSPS/STORM-REPLACE AIR C CALL DR. W. JOHNSON 6-4972		WJ	WJ	20150908	W39
			985029	DOUBLER, SYSTEM	25	30	16-00036		INSPS/REPAIR OR REPLACE C Cio pressure J stielper c 64972		CS	CS	20150727	W21
			975017	MONITOR, MULTI-GAS SYSTEM	25	4	13-00630		INSPS-CHECK FOR PROPER OP SER DY R DARTON JR		ROJ	ROJ	20121003	W38
			975029	DOUBLER	25	4	13-01306		INSPS-REPAIR LEAK COILED stielper c 64972		CS	CS	20130927	W48
			975017	MONITOR, MULTI-GAS SYSTEM	25	4	16-00023		INSPS-CHECK GAS METER ALA CLEAR.		WJ	WJ	20150716	W41
			977807	PANEL, TELEPHONE	25	4	16-00894		INSPS/ VERIFY CIRCUIT TO see Chris C run Fish tape out J 64972		CS	CS	20150428	W45
			930002	FLOW INDICATING RECORDER/	25	4	16-01043		INSPS/REPAIR CHART PEN MET W. JOHNSON 6-4972		CS	CS	20140314	W45
			930017	DETECTOR, GAS SCREEN GAS	25	4	15-01193		INSPS-REPLACE IAD MONTIO REE DY R DARTON JR		ROJ	ROJ	20141209	W45
			937121	VFD, #1 PUMP	25	4	16-00019		INSPS-REPLACE FAN IN VFD W. JOHNSON 6-4972		WJ	WJ	20150715	W45
			991167	PANEL, VFD CONTROL #1(RSP)	25	30	15-02015		2 INSPS/ELSPS-REPAIR FAULT (C-F over Temp) stielper c 64972		CS	CS	20150416	W45
			991167	PANEL, VFD CONTROL #1(RSP)	25	30	15-02016		2 INSPS/ELSPS-REPAIR FAULT (C-F over Temp) stielper c 64972		CS	CS	20150416	W45
			991131	PUMP, RAW SEWAGE #1 W/MOTO	25	30	15-02666		INSPS/REPAIR FAN FAULT D Capot run Fan Fault on Key Pad stielper c 64972		CS	CS	20150629	W45
			991171	METER, FLOW METER	25	4	12-00847		INSPS/INSPECT FIB OPERATI stielper c 64972		CS	CS	20110916	W45
			991174	PANEL, PLC	25	4	14-02454		INSPS/ TROUBLE SHOOT PLC stielper c 64972		CS	CS	20140505	W45
			991203	METER, INFLUENT FLOW	25	4	16-00663		INSPS/REPAIR REPLACE FLO C 36 " incoming not reading Flow J stielper c 64972		CS	CS	20150922	W45
			991132	PUMP, RAW SEWAGE #2 W/MOTO	25	4	16-00664		INSPS- REPLACE DISCH PRES stielper c 64972		CS	CS	20150922	W45

Co.	Area	Loc.	Machine Number	Machine Description	HD Sts	Plnr Code	Plnr Code	Short Problem Description	Full Problem Description	Req. By	MD Issue Date	Wkr Sht Tag Date	
11	PUMPING ST	STRON	991174	PANEL, PLC	25	4	16.80665	INSPS/ REPROGRAM THE IPEN stieljerc 64972		CS	20150972	04/23	
			971131	PUMP, ARN SEARGE #1	25	4	16.80666	INSPS/ CLEAR FAULT ON DELI Count run 3 stieljerc 64972		CS	20150972	04/21	
Total * INSPS * Work Orders:													
COUNT 52													
			940001	METER, FLOW TRANSMITTER	25	30	13.00022	INST-TO ORDER OF TRANSMITT FRB REPLACEMENT. SEE C. WELLS/R. Barton 6-9744		CON	INST	20120719	04/15
Total * INST * Work Orders:													
COUNT 1													
			06KLYN 951000	FACILITY, DUNDRALK PUMPING	25	4	15.81471	MCHEF/REPAIR HOLE IN SIDE stieljerc 64972		CS	MCHEF	20150123	04/31
			DUNDRAL 941103	PUMP, SEARGE #3	25	4	14.82217	MCFAD-FAUSCATE INDICATOR ERROR BY M. HODKINS 69701		WH	WH	20140331	04/31
			DUNDRAL 941000	FACILITY, DUNDRALK PUMPING	25	4	16.81129	MCHEF-REPAIR DUMPSTER WHE M. JOHNSON 6-4972		WJ	WJ	20151119	04/15
			EASTER 919095	DUMPSTER, (SOUTH)	25	4	15.80288	MCHEF-PATCH HOLES IN DUMP REAR T. SMITH 6-9730		TMS	TMS	20140805	04/30
			EASTER 919095	DUMPSTER, (SOUTH)	25	4	15.80283	MCHEF/ REPAIR HOLE IN SID stieljerc 64972		CS	CS	20150923	04/31
			EASTER 913102	SCREEN, BAR (SOUTH)	25	4	15.82643	MCHEF-PATCH HOLE IN DUMPS M. JOHNSON 6-4972		WJ	WJ	20150616	04/30
			06 926731	DUMPSTER, JF2001(SCREEN ON)	25	4	13.80661	FW/ REPLACE WHEELS (2) stieljerc 64972		CS	CS	20121022	04/30
			06HD 935706	DUMPSTER, #1	25	4	16.81131	MCHEF-REPAIR WHEEL ON DUM M. JOHNSON 6-4972		WJ	WJ	20151123	04/15
			06HD 931900	FACILITY, RUND ARENE	25	4	16.81132	MCHEF-REPAIR DOOR, ADJING attention Parker & Butler		WJ	WJ	20151123	04/30
			06HD 931000	FACILITY, RUND ARENE	25	4	16.81138	MCHEF-REPAIR SCREEN DOOR, apart		WJ	WJ	20151125	04/15
			06PT 971000	FACILITY, WESTPORT	25	30	16.80411	MCHEF-MAKE REPAIRS TO SEC. hourly damaged and bent up, look like it was hit by a car		WJ	WJ	20150020	04/15

Co.	Area	Loc.	Machine Number	Machine Description	HD Sts	Plnr Code	Plnr Code	Short Problem Description	Full Problem Description	Req. By	MD Issue Date	Wkr Sht Tag Date	
Total * MCHFB * Work Orders:													
COUNT 12													
			06KLYN 954301	TANK, AIR RETENTION #1	25	30	16.81130	2 DLDG/MCHPS-REPLACE PRESSU VALVE.		TE	MCHPS	20151123	04/15
			06KLYN 952001	TANK, HYDROHEMATIC SEAL	25	4	14.80966	2 MCHPS/ELCPS-CHECK SYSTEM pressure. stieljerc 64972		CS	CS	20131003	04/30
			06DRL 985301	PUMP, STORM WATER #1	25	4	14.81257	2 ELCPS/MCHPS-REPLACE PUMP requester r sligton 6-9700		RLS	RLS	20131220	04/15
			06LGT 949700	FACILITY, COUGHIE PUMP STA	25	4	14.82410	MCHPS/INSTALL TEMPERARY M to station) stieljerc 64972		CS	CS	20140402	04/15
			DUNDRAL 945201	GENERATOR, EMERGENCY,	25	4	14.80810	MCHPS/ INSPECT FOR AMT F stieljerc 64972		CS	CS	20130973	04/18
			DUNDRAL 944401	STRAINER, VACUUM PUMP #1&2	25	4	14.81936	MCHPS/ REPLACE VAC GAUGES. Haters-stieljerc 64972		CS	CS	20140212	04/15
			DUNDRAL 941102	PUMP, SEARGE #2	25	4	15.81485	MCHPS/ REPAIR LEAK IN PAC. stieljerc 64972		CS	CS	20150202	04/32
			DUNDRAL 941000	FACILITY, DUNDRALK PUMPING	25	4	15.81635	MCHPS-PUMP NOT VOLT FOR E. REER. BY M. HODKINS 69730		WH	WH	20150210	04/15
			DUNDRAL 941103	PUMP, SEARGE #3	25	4	15.81885	MCHPS-REBUILD SPARE PUMP. 69730		WH	WH	20150325	04/27
			DUNDRAL 941104	PUMP, SEARGE #4	25	4	15.82040	MCHPS/CHECK #4 PUMP. MCHPS. Leaking		WJ	WJ	20150504	04/32
			DUNDRAL 946302	PUMP, SUMP #2	25	4	15.82632	2 MCHPS/ELCPS REPAIR W/SUMP M. JOHNSON 6-4972		WJ	WJ	20150609	04/15
			DUNDRAL 943102	SCREEN, #2 BAR	25	4	16.81101	2 MCHPS-CHECK SCREEN, SCRAP is hitting		WJ	WJ	20151123	04/15
			DUNDRAL 944604	PUMP, VACUUM #4	25	4	16.81133	MCHPS-REPLACE 2" BYPASS VA PUMP		WJ	WJ	20151123	04/15
			EASTER 915102	ROLLER #2	25	30	16.81102	MCHPS-INSTALL NEW BELIEF CHARGE CORRODED AND LEAKING		TE	TE	20151105	04/15
			EASTER 915101	ROLLER #1	25	30	16.81103	MCHPS-INSTALL NEW BELIEF CHARGE CORRODED AND LEAKING		TE	TE	20151105	04/15
			EASTER 911101	PUMP, SEARGE #1	25	4	15.81038	MCHPS/ CHECK OIL IN BEARL stieljerc 64972		CS	CS	20141125	04/15
			EASTER 919126	PUMP, SEARGE #3	25	4	15.81032	MCHPS/ ASSIST OPERATIONS stieljerc 64972		CS	CS	20141125	04/15
			EASTER 911103	PUMP, SEARGE #2	25	4	15.82659	MCHPS-CHECK #3PUMP (CLEAN) ATTENTION-ROBERT BEBELIUS		WJ	WJ	20150629	04/18
			EASTER 912102	VALVE, COUPE #2 PUMP	25	4	16.81107	2 MCHPS/MCHFB-REPAIR VALVE D plate see Chris 64972		CS	CS	20151109	04/15
			EASTER 918826	ROLLER, SHAK GRASS/STORAGE	25	4	16.81115	MCHPS/ REPAIR FUEL LINE C see Chris 64972		CS	CS	20151113	04/15
			EASTER 919023	ROLLER, ROLLING GRABBYLYN S	25	4	16.81116	MCHPS/ WINTERIZE TRACTOR stieljerc 64972		CS	CS	20151113	04/15
			EASTER 918826	ROLLER, SHAK GRASS/STORAGE	25	4	16.81120	MCHPS-REPAIR SHAK ROLLER. ATTENTION:WILL MADARAZ		WJ	WJ	20151110	04/15
			EASTER 918827	ROLLER, SHAK GRASS/STORAGE	25	4	16.81121	MCHPS-REPAIR SHAK ROLLER. ATTENTION:WILL MADARAZ		WJ	WJ	20151110	04/15

Co. No.	Area	Loc.	Machine No.	Machine Description	UD Sts	Pty Code	Plnr Code	Short Problem Description	Full Problem Description	Req ty	Craft Code	Issue Date	Wk Sat Typ	dan	Cls
11	PUMPING ST	EASTER 918001	OLLIVER-VACUUM LEAF 30"X45	25	4	16-01122	MCHPS-REPAIR YARD VACUUM( ATTENTION WILL MOWAGEZ			CS	MCHPS	20151118	M05		
		EASTER 911000	FACILITY, EASTERN AVENUE	25	4	16-01124	MCHPS-REPAIR ALL FLAT TIR BLOWER, riding noiser and yard vacuum)			CS	MCHPS	20151118	M05		
		JF 923304	PUMP #4 SEGA. WATER W/AMTIO	25	4	16-01139	MCHPS-CHECK WATER SEALING WATER is not getting to the main pump packings			CS	MCHPS	20151130	M15		
		0000	OPERATOR, #2 PUMP CORN VAL	25	4	14-02430	2 ELPGS/MCHPS-REPAIR OPERATOR (correctly) stielperc 64972			CS		20140423	M15		
		0000	930102 BLOWER, MET HELL LEVEL	25	4	14-02438	MCHPS/ASSIST TRIPS WITH R pipe in well-stielperc 64972			CS		20140425	M15		
		STROK	991134 PUMP, RAN SEWAGE #4 W/AMTIO	25	4	15-02017	MCHPS/INSPECT PUMP (PUMP) stielperc 64972			CS		20150416	M15		
		STROK	991135 PUMP, MET HELL SWIP. (OUTSIDE)	25	4	16-00661	2 ELPGS/MCHPS- REPAIR PUMP (Coloaned) stielperc 64972			CS		20150921	M05		

Total \* MCHPS \* Work Orders:

COURT 30

MECH - REPAIR DTL FRM CL stielperc 64972

CS MECH 20121018 M10

Total \* MECH \* Work Orders:

COURT 1

CAROL 985701	CONTROLER, PUMP #1	25	4	15-01104	2	UPSEK/INITS-INVESTIGATE C not working in auto-stielperc 64972				CS	UPSEK	20150202	M21		
DUNAL 948103	CONTROL VFD #2 SEWAGE PUM	25	30	15-02329	3	UPSEK/INITS/ELGPS-REPAIR GROUND Fault-stielperc 64972				CS		20150505	M41		
DUNAL 948105	CONTROL VFD #4 SEWAGE PUM	25	30	16-00074	2	UPSEK- INVESTIGATE DRIVE C (Our Current) stielperc 64972				CS		20151005	M41		
EASTER 925209	SYSTEM, SEGA	25	30	16-00078	1	UPSEK/ RESTORE COMMUNICAT system operations booth) stielperc 64972				CS		20151006	M15		
JF 928005	VFD #4 SEWAGE PUM(CP#900)	25	30	15-02624	1	UPSEK-INVESTIGATE/REPAIR (CV-Pass) stielperc 64972				CS		20150603	M41		
JF 928002	VFD #1 SEWAGE PUM(CP#900)	25	30	16-00077	1	UPSEK-WVFD IS TRIPPING D Fault				CS		20151006	M15		
JF 928002	VFD #1 SEWAGE PUM(CP#900)	25	4	15-02362	1	UPSEK-REPAIR WVFD FAULT( over temp )				CS		20150527	M41		
JF 928104	PANEL, STATION ALARM	25	4	16-01117	1	ELGPS/UPSEK- RELOCATE THE Cont hear from operating (levels) stielperc 64972				CS		20151116	M41		

Total \* UPSEK \* Work Orders:

COURT 9

BARLYN 951000	FACILITY, DUNDALK PUMPING	25	4	TAD 13-00684	PENG-ROOF LEAKING	NEB BY C STIELPER				CS	PERE	20121030	M58		
COLERT 949501	MOTOR CONTROL CENTER	25	4	04Z 10-03537	PENG-INVESTIGATE ELECTRIC	from undak pumping station may not be proper size for the				CS		20100430	M51		
DUNAL 941000	FACILITY, DUNDALK PUMPING	25	30	15-00603	1	PENG/MCHPS- INSTALL SWIP vault stielperc 64972				CS		20140910	M00		
DUNAL 946101	CRANE, BRIDGE (15 TON)	25	30	15-02645	2	ELGPS/PENG-MAKE REPAIRS T (no up function pedant) stielperc 64972				CS		20150617	M09		
DUNAL 941000	FACILITY, DUNDALK PUMPING	25	4	TAD 12-00565	PENG- INSPECT ROOF VENT	Leaking stielperc 64972				CS		20110830	M15		
DUNAL 941000	FACILITY, DUNDALK PUMPING	25	4	TAD 12-00569	PENG-ROOF LEAKING	requester r sigmon 6-975E				CS		20110830	M58		
DUNAL 941000	FACILITY, DUNDALK PUMPING	25	4	TAD 13-00483	PENG-ROOF LEAKING	NEB BY C STIELPER				CS		20121030	M58		
EASTER 916000	BUILDING, EMB. GENERATOR	25	30	13-01592	F-INVESTIGATE CAUSE OF FIRE	station. Sullivan 64972				CS		20130110	M51		
EASTER 911000	FACILITY, EASTERN AVENUE	25	4	04Z 12-02123	2	PENG-INVESTIGATE POSSIBLE A wall small wall mounted heater/chr/s 64972				CS		20120124	M22		
EASTER 911000	FACILITY, EASTERN AVENUE	25	4	TAD 12-02363	PENG- REPAIR CONCRETE PAD	broken up tripping hazard--see chris stielperc 64972				CS		20120203	M02		
FIRE 902000	FACILITY, FURT ROBEARY	25	4	TAD 12-00574	PENG-INVESTIGATE	ROOF OR see chris 64972				CS		20120425	M51		
HILLAND 941000	FACILITY, HIGANWORTH	25	4	04Z 12-01525	PENG-INVESTIGATE 110 VLT	UPGRADE - (PER J. HARRISON) 64972				JAF		20110831	M51		
JF 921000	FACILITY, JAMES FALLS	25	4	TAD 12-00529	PENG-HAVE PHONE LINE	AND installed in upstairs vfd room stielperc 64972				CS		20110809	M44		
MCSI 977601	SWITCH, TRANSFER	25	4	14-01255	PENG-RE-DIRECT BLDG OFF	stielperc 64972				CS		20131219	M45		
PLIND 993516	TEST BACKWELL PREVENTERS	25	4	TAD 12-03589	PENG-PROVIDE FUEL TANK	FOR T. DAVIS				TAF		20120619	M27		
PLIND 999999	PRESSURE VESSEL INSPECTIO	25	4	TG 10-03565	PENG-TEST & CERTIFY	BRACE IN ALL PUMPING STATIONS				TG		20100512	M09		
PLIND 999999	ANNUAL CRANE INSPECTIO	25	4	TG 12-01492	PENG-PERFORM PRESSURE	TEST IN ALL PUMPING STATIONS AND REPORT				TG		20111103	M09		
STROK 991126	FACILITY, STONEY RUN P 3	25	4	TAD 12-02462	PENG-INVESTIGATE	PREDATOR pump failure Operational problems or pump design) requester RL				CS		20111005	M51		
STROK 991126	FACILITY, STONEY RUN P 3	25	4	13-01600	PENG-INVESTIGATE	PUMP OR well design problem stielperc 64972				CS		20130115	M51		
MSPT 971000	FACILITY, MESIPORT	25	4	MRA 13-00727	2	PENG/INVESTIGATE INSTALL	stielperc 64972			CS		20121129	M51		

Co	Area	Loc	Machine Number	Machine Description	HD Svs	Pty Code	HD Number	Short Problem Description	Full Problem Description	Req. Code	Issue Date	Work Sht Issue Date
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Total \* PENC \* Work Orders:  
COURT 22

11 PUMPING ST CLIENT 991121 FACILITY,CLINTON STA #1 25 30 15-80605 3 ELCS/MCIPS/STEM-HB PUNE RES (W J HARROCK 6-7748

Total \* STDRH \* Work Orders:  
COURT 1

Area \* PUMPING ST \* Work Orders:  
COURT 350

Total Co. \* 11 \* Work Orders:  
COURT 351

JON STERN 20140915 490

Co. No.	Area	Machine Loc.	Machine Number	Machine Description	HW Sits	Flor Code	Plor Code	HW/ID Number	Short problem Description	Full Problem Description	Req. Ty	Cr/Pr Code	HW Issue Date	Wrk Sht Typ	Wrk Sht Date
80	MISC	ISPT04 992000	FACILITY, ISL. PT. ORBIT HUBS	25 4	16 95023				BLDG-TO REPAIR TOILET	at island pt. station, req by c carter sr. 6-9708	CC	BLDG	20151009	W71	
		METER 980013	FACILITY, AT WASHINGTON ME	25 4	11 95141				BLDG-PAINT-PAINT	REQ BY R DARTON JR	RRJ		20110510	W28	
		METER 980014	FACILITY, FALKNER METERING	25 4	12 95152				BLDG-BUILD STEPS FOR STAT	REQ BY R DARTON JR PER AMBROSE	RRJ		20120315	W68	
		METER 980013	FACILITY, AT WASHINGTON ME	25 4	12 95194				BLDG-PAINT-PAINT METERING	REQ BY R DARTON JR	RRJ		20120503	W28	
		METER 980007	FACILITY, HOUSTON AVE. STA.	25 4	15 95013				BLDG-PAINT-PAINT BOX AT S	REQ BY R DARTON JR	RRJ		20140729	W28	
		METER 980005	FACILITY, CAMERON DRIVE ST	25 4	15 95014				BLDG-PAINT-PAINT BOX AT	REQ BY R DARTON JR	RRJ		20140729	W28	
		METER 980004	FACILITY, LONG PLACE STA.	25 4	15 95015				BLDG-PAINT-PAINT BOX AT	REQ BY R DARTON JR	RRJ		20140729	W28	
		METER 980014	FACILITY, FALKNER METERING	25 4	15 95016				BLDG-PAINT-PAINT BOX AT	REQ BY R DARTON JR	RRJ		20140729	W28	
		METER 980011	FACILITY, FOUNDERMILL METER	25 4	15 95017				BLDG-PAINT-PAINT BOX AT	REQ BY R DARTON JR	RRJ		20140729	W28	
		METER 980009	FACILITY, FURNELL DRIVE	25 4	15 95018				BLDG-PAINT-PAINT BOX AT	REQ BY R DARTON JR	RRJ		20140729	W28	
		METER 980009	FACILITY, HERBING RISK STA.	25 4	15 95019				BLDG-PAINT-PAINT BOX AT	REQ BY R DARTON JR	RRJ		20140729	W28	
		METER 980009	MUNICIPAL BUILDING	25 4	14 95124				BLDG-TO PAINT OFFICES	on 3rd fl municipal bldg. req by c carter sr per Lorrette br	CC		20140530	W26	
		METER 980009	PARK TERMINAL (UTILITIES)	25 4	14 95121				1 ELEC-ADD INSTALL PANEL &	circuits for computers, coffee maker and other equipment	EP		20140530	W22	
		METER 980009	PARK TERMINAL (UTILITIES)	25 30	16 95012				BLDG-DELIVER 5 PALLETS OF	from the storeroom to our storage building over behind	EP		20150928	W39	
		METER 980009	FACILITY, POLLUTION CONT.	25 30	16 95024				BLDG-STRIP LEAKING DRAIN FL	There is a maintenance problem/health issue with the meter's	EP		20151027	W02	
		METER 980009	FACILITY, POLLUTION CONT.	25 30	16 95029				BLDG-STRIP AND JACK FLOOR	It has been at least several months and there is something	EP		20151109	W09	
		METER 980009	FACILITY, POLLUTION CONT.	25 30	16 95035				BLDG-COMMUNE IN BLDG METERS	HALL NOT STOP FLASHING.	EP		20151123	W11	
		METER 980009	FACILITY, POLLUTION CONT.	25 4	13 95093				BLDG - INSTALL SUPA DISPE	REQUESTER: P. BOYLE 6-9695.	PR		20120725	W15	
		METER 980009	FACILITY, POLLUTION CONT.	25 4	14 95036				BLDG - NEW LOADING DOOR	NG / ALSO MAKING A LOUD SQUEALING SOUND	PR		20130919	W5F	
		METER 980009	FACILITY, POLLUTION CONT.	25 4	16 95013				BLDG-INK & TONER CARTRIDGE	to the electronics recycling area at maintenance.	PR		20150930	W5D	
		METER 980009	FACILITY, POLLUTION CONT.	25 4	16 95030				BLDG-COMMUNE IN 0110 RUM	continuously.	EP		20151118	W21	
		METER 980001	WAREHOUSE 45/CORPUSCRA ST	25 30	15 95090				BLDG-REMOVE TRASH FROM	BL SEE REHNE MEMBERSHIP	RRJ		20150116	W24	
Total * BLDG * Work Orders: COURT 22															
CITYHD 999000	MISC. CITY WIDE PROJECTS	25 4	SMS 12 95092	3	DRWF-PRODUCE DRAWINGS FOR	ADDED BY J. BRYAN					JOB	DRWF	20111028	W43	
Total * DRWF * Work Orders: COURT 1															
METER 980004	FACILITY, LONG PLACE STA.	25 4	12 95039	ELECTS-ADD POWER TO METER	REQ BY R DARTON JR						RRJ	ELEPS	20110824	W21	
Total * ELEPS * Work Orders: COURT 1															
ASHOUR 992000	ASHOUR/THAM FILTRATION PLT	25 30	14 95062	ELEC-ASSIST NEW METERING'S	repairing road lights at 3001 Druid Park Drive phone #						RLS	ELEC	20131031	W20	
CITYHD 999000	MISC. CITY WIDE PROJECTS	25 2	14 95100	2 TECH-ELEC-ADD/RELOCATE	METERS ON BOATLINE.						JOB		20140907	W8F	
ISPT04 992000	FACILITY, ISL. PT. ORBIT HUBS	25 4	13 95152	ELEC-PURCHASE AND INSTAL	square D tandem breakers to separate and install 2 new outlet						GGD		20130619	W28	
PARKE 982102	HEATER, HOT WATER	25 4	13 95154	ELEC-PURCHASE AND INSTAL	ter for building. Heater that was bought was wrong						GGD		20130619	W28	
PARKE 992000	PARK TERMINAL (UTILITIES)	25 4	14 95121	2 ELEC-ADD INSTAL PANEL &	circuits for computers, coffee maker and other equipment						DTG		20140530	W22	
PARKE 992000	PARK TERMINAL (UTILITIES)	25 4	14 95150	ELEC-REINSTALL SUMP PUMP	1 breaker and needs to be replaced						DTG		20140617	W15	
METER 980001	WAREHOUSE 45/CORPUSCRA ST	25 4	14 95086	ELEC - EXTS. 6-9696 & 749	WORKING						PR		20140207	W44	
METER 980001	WAREHOUSE 45/CORPUSCRA ST	25 30	15 95129	ELEC-LINE DOWN	Jeff Jones Front Archer Western just called me.						JOB		20150603	W22	
METER 980001	WAREHOUSE 45/CORPUSCRA ST	25 4	16 95033	ELEC-ORDER 4 NEW BREAKERS	HEATERS, FOR PANEL IN GRAPHIC ARTS BLDG.						GGD		20151123	W28	
Total * ELEC * Work Orders: COURT 9															
METER 980012	FACILITY, FREDRICK RD. METE	25 4	15 95020	600S-MED- CLEAN FLOOR	AT RFR BY R DARTON JR						RRJ	600S	20140729	W45	

Co	Area	Loc	Machine Number	Machine Description	MD	Flur	Short Problem Description	Full Problem Description	Req. Date	Crft	MD	Wkr Sht
80	MISC				25	30			ZEN	MR	20150113	MAY
Total * 80S * Work Orders												
COUNT 1												
80	MISC		990021	CONDITONER AIR @140RTH)	25	30	HR-WRKT LUMIL	REG IN ZACH ATTENTIONATION	ZEN	MR	20150113	MAY
80	MISC		990001	WAREHOUSE #5@GRAPHCSS	25	4	HR-WR MENT	SEC R HADDERSON	RE			
Total * 80 * Work Orders												
COUNT 2												
			980013	FACILITY, MT. WASHINGTON	25	4		INSPS-SCADA OUT AT MT WRS call Rayford if needed at 6-9820				
			980004	FACILITY LONG PLACE STA	25	4		INSPS-SCADA OUT AT LONG P. call Rayford at 609820 if needed.				
			980004	FACILITY LONG PLACE STA	25	4		INSPS-SCADA OUT AT LONG P. call Rayford at 6-9820 if needed.				
			980005	FACILITY DORHEIM DRIVE ST	25	4		INSPS-SCADA OUT AT DORHEIM Drive at Rayford at 6-9820 if needed				
			980010	FACILITY WEEKSPRING STA	25	4		INSPS-SCADA OUT AT WEEKSPRING STA at Rayford				
			980009	FACILITY, HESSING RUN STA	25	4		INSPS-SCADA OUT AT HESSING RUN STA				
Total * 218PS * Work Orders												
COUNT 6												
			999900	MISC CITY WIDE PROJECTS	25	2		MCHFR-VENTILATION WATER MET. REEL. SMITH 6-9-20				
			999900	MISC CITY WIDE PROJECTS	25	4		MCHFR-VENTILATION FLOOD @ MT LODI BRANCH DAM				
			999900	MISC CITY WIDE PROJECTS	25	4		MCHFR-REPAIR GALLE REEL @ CITY INSPECTION				
			998000	FACILITY, JOHN MUSEUM	25	3		TRANSITONAL STRIP FOR GARD BOOTB at exten n row jct cur EDC				
Total * 161PS * Work Orders												
COUNT 4												
			999900	MISC CITY WIDE PROJECTS	25	4		MMA 12-95092 2 PENG/MCHFR-FAB AND INSTAL STORM WATER MAINT/REPAIR. LOCATION 1601 WEST BALTO ST				
			999900	MISC CITY WIDE PROJECTS	25	4		JOB 12-95201 2 PENG-INVESTIGATE FLOOD @ AT LORH RANER DAM				
Total * 161PS * Work Orders												
COUNT 2												
			999900	MISC CITY WIDE PROJECTS	25	2		PH-ASSIST WATER DEPT. REAT SER @ W. KELLEY PER LMR				
Total * 161PS * Work Orders												
COUNT 1												
			999900	MISC CITY WIDE PROJECTS	25	2		MCHFR-VELOC/GRDS/AUDR/STORM METERS DR UVERTINE.				
Total * 161PS * Work Orders												
COUNT 1												
Area * MISC * Work Orders:												
COUNT 50												
Total Co * 80 * Work Orders												
COUNT 50												



as of 12/01/15  
Status 10 & 25

CH's & HUB's  
Back River, FS & Misc

Co. No.	Area	Loc. Number	Machine Description	NO Sts	PLR Code A/D	Short problem Description	Full Problem Description	Req. Code	Craft	MD Issue Date	Alt. Sht Typ	Chs

FINAL TOTALS  
COUNT 2,206

\*\*\* END OF REPORT \*\*\*



# **APPENDIX 5**

## **SUMMARY OF REPORTED OVERFLOWS**



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**SSO No. 67**

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<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
9/10/2015	Flow Meter in Place	4.12
9/29/2015	Flow Meter in Place	2.08
9/30/2015	Flow Meter in Place	0.02

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**SSO No. 72**

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<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
9/10/2015	Flow Meter in Place	4.12
9/29/2015	Flow Meter in Place	2.08
9/30/2015	Flow Meter in Place	0.02

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**SSO No. 132**

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<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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None Reported this Quarter



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**SSO No. 134**

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<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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None Reported this Quarter

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**SSO No. 135**

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<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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None Reported this Quarter

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**SSO No. 137**

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<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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Flow monitor removed on July 1, 2015 for construction

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**SSO No. 138**

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<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
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None Reported this Quarter

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**SSO No. 139**

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<u>Date</u>	<u>Surcharge Depth (in)**</u>	<u>Rainfall (in)</u>
11/27/2015	Flow Meter in Place	0.00
11/28/2015	Flow Meter in Place	0.05
11/29/2015	Flow Meter in Place	0.32
11/30/2015	Flow Meter in Place	0.11

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Pumping Station Overflows

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<u>Pumping Station</u>	<u>Date</u>	<u>Volume Loss (gal)</u>	<u>Rainfall (in)</u>
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None Reported this Quarter

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Wastewater Treatment Plant Overflows

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<u>WWTP</u>	<u>Date</u>	<u>Volume Loss (gal)</u>	<u>Rainfall (in)</u>
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Patapsco		None Reported this Quarter	
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Back River		None Reported this Quarter	
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**City of Baltimore**  
**Un-Permitted Sanitary Sewer Overflows**  
**For Calendar Quarter Ending December 31, 2015**

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
10/3/2015	Evidence of Overflow	Rags, Roots, Trash, Sand, Gravel, Rocks	0.28	N/A	2119 Kentucky Ave	21218
10/4/2015	Evidence of Overflow	Roots, Grease	0.00	N/A	412 E 31st St	21218
10/5/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.00	Gwynns Falls	301 S Beechfield Ave	21229
10/5/2015	Evidence of Overflow	Roots	0.00	N/A	4818 Richard Ave	21214
10/5/2015	Evidence of Overflow	Rags, Other	0.00	N/A	320 Millington Ave	21223
10/5/2015	Evidence of Overflow	Other	0.00	N/A	4219 Berger Ave	21206
10/5/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	827 N Martin Luther King Jr Blvd	21201
10/5/2015	Evidence of Overflow	Rags, Rain, Trash, Sand, Gravel, Rocks	0.00	N/A	1800 Falls Road	21201
10/5/2015	5,175	Rags, Roots, Trash, Sand, Gravel, Rocks	0.00	Dead Run	4221 Rokeby Rd	21229
10/7/2015	Evidence of Overflow	Grease, Trash, Sand, Gravel, Rocks	0.00	N/A	Asiatic Ave & Northbridge Ave	21226
10/7/2015	Evidence of Overflow	Rags, Grease, Trash, Sand, Gravel, Rocks	0.00	N/A	1611 Gwynns Falls Pkwy	21217
10/8/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	2816 W Lafayette Ave	21216
10/9/2015	Evidence of Overflow	Rags, Other	0.34	N/A	3325 W Northern Pkwy	21215
10/9/2015	386	Roots	0.34	Patapsco River	4550 N Charles St	21210
10/10/2015	Evidence of Overflow	Rags, Roots	0.01	N/A	5301 Saint Georges Ave	21218
10/11/2015	Evidence of Overflow	Rags, Roots	0.01	N/A	4614 Wilmslow Rd	21210
10/13/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.00	N/A	202 Longwood Rd	21210
10/14/2015	Evidence of Overflow	Rags, Other	0.00	N/A	2725 Hampden Ave	21211
10/15/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	202 Longwood Rd	21210
10/15/2015	Evidence of Overflow	Rags, Roots, Other	0.00	N/A	3601 Fords Ln	21215
10/16/2015	Evidence of Overflow	Pipe Break	0.00	N/A	1610 Ashburton St	21216
10/17/2015	5,424	Pipe Break	0.00	N/A	4550 N Charles St	21210
10/17/2015	2,325	Rags, Grease	0.00	N/A	Hilton Pkwy and Edmondson Ave	21229
10/19/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	3012 Gibbons Ave	21214
10/19/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	6301 Brook Ave	21206
10/20/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	3510 Greenmount Ave	21218
10/20/2015	1,554	Pipe Break	0.00	Gwynns Falls	1201 N Woodington Rd	21229
10/21/2015	Evidence of Overflow	Rags, Grease, Other	0.00	N/A	1301 E Fayette St	21231
10/22/2015	Evidence of Overflow	Rags, Grease	0.00	N/A	6200 Shipview Way	21224
10/22/2015	100,620	Roots, Pipe Break	0.00	Stony Run	4611 Wilslow Rd	21210
10/24/2015	117	Rags, Grease, Trash, Sand, Gravel, Rocks	0.00	N/A	832 Herndon Ct	21225
10/24/2015	Evidence of Overflow	Rags, Grease	0.00	N/A	2806 Roselawn Ave	21214





**City of Baltimore**  
**Un-Permitted Sanitary Sewer Overflows**  
**For Calendar Quarter Ending December 31, 2015**

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
10/25/2015	210	Grease	0.01	Inner Harbor	334 S Calhoun St	21223
10/25/2015	Evidence of Overflow	Roots	0.01	N/A	1203 John St	21217
10/26/2015	Evidence of Overflow	Pipe Break	0.00	N/A	120 N Potomac St	21224
10/26/2015	240	Grease, Trash, Sand, Gravel, Rocks	0.00	N/A	6200 Plantview Way	21224
10/27/2015	Evidence of Overflow	Rags, Pipe Break	0.00	N/A	211 E Patapsco Ave	21225
10/27/2015	600	Pipe Break	0.00	Herring Run	6400 Loch Raven Blvd	21239
10/30/2015	Evidence of Overflow	Rags, Roots, Trash, Sand, Gravel, Rocks	0.00	N/A	511 Rossiter Ave	21212
10/31/2015	265	Rags, Roots, Trash, Sand, Gravel, Rocks	0.00	Maidens Choice Creek	3701 Mactavish Ave	21229
11/2/2015	756	Rags, Roots	0.00	N/A	5819 Western Run Dr	21209
11/4/2015	Evidence of Overflow	Rags, Grease	0.00	N/A	200 East St	21224
11/4/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	575 Lucia Ave	21229
11/4/2015	132	Rags, Grease	0.00	N/A	Park Ave and Reservoir St	21217
11/6/2015	26	Rags, Roots	0.00	Stony Run	5009 Blythewood Rd	21210
11/6/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.00	N/A	701 N Carey St	21217
11/6/2015	Evidence of Overflow	Rags, Roots, Grease	0.00	N/A	4116 Doris Ave	21225
11/7/2015	100	Rags, Roots, Grease	0.04	Jones Falls	1453 Medfield Ave	21211
11/11/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.00	N/A	1910 Eastern Ave	21231
11/13/2015	240	Grease	0.01	Inner Harbor	719 Eastern Ave	21230
11/14/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks, Unknown	0.00	Gwynns Falls	2121 Mount Holly St	21216
11/14/2015	405	Roots, Trash, Sand, Gravel, Rocks	0.00	N/A	4755 Melbourne Rd	21229
11/15/2015	Evidence of Overflow	Roots, Grease, Trash, Sand, Gravel, Rocks	0.00	N/A	259 Robert St	21217
11/16/2015	2,228	Rags, Roots	0.00	N/A	4220 Parkton St	21229
11/17/2015	130	Rags, Roots	0.00	N/A	Martin Luther King Jr. Blvd and Saratoga St	21201
11/17/2015	510	Grease, Trash, Sand, Gravel, Rocks	0.00	N/A	1107 Slater Rd	21225
11/17/2015	55,400	Pipe Break	0.00	Herring Run	5100 Perring Parkway	21239
11/18/2015	Evidence of Overflow	Rags	0.00	N/A	4302 Maine Ave	21207
11/18/2015	50	Rags, Roots	0.00	N/A	5715 Park Heights Ave	21215
11/22/2015	185	Rags, Grease, Trash, Sand, Gravel, Rocks	0.00	Jones Falls	700 Pennsylvania Ave	21201
11/24/2015	246	Rags, Roots	0.00	N/A	100 Beechdale Rd	21210
11/24/2015	276	Pipe Break	0.00	Herring Run	5100 Perring Pkwy	21239
11/24/2015	Evidence of Overflow	Rags, Grease	0.00	N/A	Gusryan St and O'Donnell St	21224
11/26/2015	Evidence of Overflow	Roots	0.00	N/A	6209 Everall Ave	21206
11/27/2015	270	Rags, Grease	0.00	Gwynns Falls	810 N Hilton St	21229
11/28/2015	79	Rags, Roots, Grease	0.04	N/A	1906 N Pulaski St	21217
11/30/2015	1,020	Rags, Roots	0.08	Jones Falls	2215 Rogene Dr & Bonnie View Dr	21209
11/30/2015	Evidence of Overflow	Rags	0.08	N/A	811 Druid Park Lake Dr	21217
11/30/2015	13,380	Rags, Grease, Trash, Sand, Gravel, Rocks	0.08	Gwynns Falls	810 N Hilton St	21229



**City of Baltimore**  
**Un-Permitted Sanitary Sewer Overflows**  
**For Calendar Quarter Ending December 31, 2015**

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
11/30/2015	Evidence of Overflow	Rags	0.08	N/A	1714 W North Ave	21217
12/1/2015	285	Rags, Grease	0.84	N/A	429 Westgate Rd	21229
12/1/2015	1,550	Rags, Grease, Trash, Sand, Gravel, Rocks	0.84	Curtis Bay	836 Herndon Ct	21225
12/2/2015	440	Grease	0.16	N/A	402 Key Hwy	21202
12/2/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.16	N/A	1412 N Luzerne Ave	21213
12/3/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.01	N/A	316 E Lafayette Ave	21202
12/3/2015	175	Roots, Grease	0.01	Herring Run	6100 The Alameda	21239
12/4/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.00	N/A	142 S Monastery Ave	21229
12/5/2015	Evidence of Overflow	Rags	0.00	N/A	2325 Arunah Ave	21216
12/5/2015	630	Trash, Sand, Gravel, Rocks	0.00	N/A	7604 Bagley Ave	21234
12/5/2015	85	Rags, Trash, Sand, Gravel, Rocks	0.00	Jones Falls	853 W University Pkwy	21210
12/5/2015	1,988	Grease, Trash, Sand, Gravel, Rocks	0.00	N/A	825 E Fort Ave	21230
12/5/2015	1,790	Roots	0.00	N/A	3723 Clarenell Rd	21229
12/7/2015	Evidence of Overflow	Roots	0.00	N/A	3923 Boarman Ave	21215
12/7/2015	Evidence of Overflow	Rags	0.00	N/A	3325 Northern Pkwy	21215
12/7/2015	2,375	Rags, Trash, Sand, Gravel, Rocks	0.00	Jones Falls	6541 Eastern Ave	21224
12/7/2015	970	Rags, Grease	0.00	Jones Falls	1805 Park Ave	21217
12/10/2015	Evidence of Overflow	Rags, Pipe Break	0.00	Jones Falls	Bonnie View Dr & Western Run Dr	21209
12/10/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	2730 W Lafayette Ave	21216
12/11/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	501 Hawthorn Rd	21210
12/12/2015	1,145	Rags, Roots	0.00	N/A	2800 Glen Ave	21215
12/12/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.00	N/A	1023 W Lombard St	21223
12/14/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks	0.13	N/A	2806 Roselawn Ave	21214
12/14/2015	12,450	Pipe Break	0.13	Patapsco River	2900 Waterview Ave & Cherry Hill Rd	21230
12/14/2015	Evidence of Overflow	Rags	0.13	N/A	1815 N Register St	21213
12/16/2015	Evidence of Overflow	Trash, Sand, Gravel, Rocks, Pipe Break	0.00	N/A	2131 W Mulberry St	21223
12/16/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	2705 Steele Rd	21209
12/16/2015	15	Rags	0.00	Patapsco River	2911 Waterview Ave	21230
12/16/2015	32,798	Pipe Break	0.00	Jones Falls	5113 Falls Rd	21210
12/18/2015	285	Rags, Grease	0.00	N/A	802 W Saratoga Ave	21201
12/19/2015	2,270	Rags, Roots, Grease	0.00	Inner Harbor	200 S Ballou Ct	21231
12/21/2015	Evidence of Overflow	Rags, Roots	0.00	N/A	1307 W Northern Pkwy	21210
12/22/2015	350	Rags, Roots, Trash, Sand, Gravel, Rocks	0.13	Gwynns Falls	Edmondson Ave and N Hilton St	21229
12/23/2015	980	Rags, Grease, Trash, Sand, Gravel, Rocks	1.36	Gwynns Falls	1142 Shields Pl	21201



**City of Baltimore**  
**Un-Permitted Sanitary Sewer Overflows**  
**For Calendar Quarter Ending December 31, 2015**

Date	Estimated Volume (Gal)	Cause	Rain (in)	Receiving Waters	Location	Zip
12/24/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.05	N/A	207 S Smallwood Rd	21223
12/24/2015	636	Rags, Grease	0.05	Inner Harbor	2700 Boston St	21231
12/25/2015	395	Rags, Roots	2.00	N/A	2804 Belmont Ave	21216
12/25/2015	16,800	Rags, Rain, Trash, Sand, Gravel, Rocks	2.00	Inner Harbor	1700 Chase St	21213
12/25/2015	Evidence of Overflow	Grease	2.00	N/A	1500 Orleans St	21231
12/28/2015	3,890	Pipe Break	0.16	Dead Run	1201 Woodington Rd	21229
12/28/2015	Evidence of Overflow	Rags, Roots	0.16	N/A	4210 Anntana Ave	21206
12/28/2015	Evidence of Overflow	Rags, Rain, Trash, Sand, Gravel, Rocks	0.16	N/A	1800 Falls Rd	21201
12/29/2015	905	Pipe Break	0.64	Dead Run	1201 Woodington Rd	21229
12/29/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.64	N/A	709 N Rosedale St	21216
12/29/2015	640	Rags, Roots, Grease	0.64	N/A	3517 Oakmont Ave	21215
12/29/2015	Evidence of Overflow	Pipe Break	0.64	N/A	1109 N Carey St	21217
12/30/2015	Evidence of Overflow	Rags, Trash, Sand, Gravel, Rocks	0.11	N/A	709 N Rosedale St	21216
12/30/2015	Evidence of Overflow	Rags	0.11	N/A	710 N Payson St	21217
12/31/2015	Evidence of Overflow	Rags, Roots	0.01	N/A	2419 Ken Oak Rd	21209
12/31/2015	Evidence of Overflow	Rags, Roots	0.01	N/A	1300 Parkman Ave	21230



Updated through Dec 31, 2015

No.	SDUO No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
1	14	9/19/2007	JHU Campus	21218	Jones Falls	Not Resolved	On-going	2,573,951	City letter sent to JHU on 3/30/11 requiring that repairs be made. JHU completed significant repair effort. Subsequent releasing by the City determined that the repairs to date have been unsuccessful. City met with JHU maintenance on 12/5/13. Owner continues to address the issue. 200 feet of lining were completed. Confirmatory testing to be performed. Abated.	Follow up sampling after a rainfall event to clear pipe.
2	36	11/6/2009	3302 Esther Place (inside 54' storm drain)	21212	Inner Harbor	Not Resolved	On-going	1,197,712	For north side, letter to be sent to HCD/HABC. HCD issues a violation notice on 01/10/11. For south side, pipe has been plugged. SWMD checked on the plug on 12/15/10, and it continues to hold. Active - With Department of Housing and Community Development (DHCD). Violation Notice issued 11/2/2015.	Continue to follow up with DHCD and the owner
	41	6/3/2010	Cross County & Key Ave. (Storm Drain MH with sewage in bottom)	21215	Western run	11/12/2015	Abated- confirming process	286,590	Verified as SDUO site by ammonia field test and dye test completed on June 3, 2010. Dye testing and CCTV inspection revealed CIPP Lining is recommended. Rehab work is completed. Confirmatory testing to be performed. Location is not abated. Site visit is scheduled for 1/20/2015	House connection was repaired which appeared to be the reason for high ammonia. Due to saturated soil which seepage, confirming seepage might take 4 months till the soil around the storm system gets cleaned by rain. Testing was confirmed significant drop in ammonia level.
	43	5/25/2010	Cross County & Chillum Rd (300' northeast of intersection in an uncharted 15" Storm Drain)	21209	Western Run	11/4/2015	1986	75,845	Verified as SDUO site by ammonia field test and dye test completed on May 26, 2010. Lining recommendation was forwarded to construction on 1/14/2016. A manhole needs to be located prior to the start of lining.	Abated on 11/04/2015
3	55	8/10/2011	Mannasota & Parkside	21206	Herring Run	Not Resolved	On-going	60,008	Sewage is infiltrating the storm drain at Cylburn Ave. On 7/26/2011, on-call consultant recommended the sewer line be CIPP lined. Site lined, but follow-up testing documented ammonia. Heavy cleaning complete - CIPP lining is pending	Work order has been sent to contractor to perform lining to the suspected leaking sewer line.
	68	10/11/2012	Mason & McMechin	21217	Jones Falls	10/9/2015	1092	125,600	Dye test program and CCTV performed. Recommendation was forwarded to construction on 1/14/2015. After a site visit, the recommendation was amended and sent back to construction on 3/19/2015.	Storm drain was located and repaired to sewer. Work completed. Action has been the problem.
4	69	12/4/2012	Fair & Grundy	21224	Inner Harbor	Not Resolved	On-going	54,029	Heavy cleaning and CCTV performed. Dye testing of 3905 Fair Ave confirmed the property is not the source. Manhole installed and the sanitary house connection (SHC) was disconnected from storm drain. SDUO not abated. Recommendation was forwarded to construction on 1/14/2015. Work completed	Ready for confirmatory testing as of 5/7/15. Still high ammonia. Need to flush the storm drain. Flushing completed. More investigation has been scheduled to locate the problem.

Updated through Dec 31, 2015

No.	SDUO No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 8 Below)	Duration (Days)	Est. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
5	78	7/26/2013	500 Block of Bloom St	21217	Jones Falls	Not Resolved	On-going	112,000	CCTV program in progress. Lining repair work was performed under Consent Decree project. Replacing/coating 3 manholes is planned.	10 feet sewer pipe was replaced which eliminated significant part of the problem. Failed dye still observed. Still working in determining the sources of the leaks.
6	79	7/31/2013	Parkline Homes, 263 Dallas Ct	21223	Inner Harbor	11/3/2015	835	174,940	Dye test program and CCTV conducted. Confirmatory test showed dye negative to storm drain. Rehab work is completed. Confirmatory testing to be performed. Lining is not abated. Additional lining is planned.	Rehabilitation for house sewer connection has abated the problem. This SDUO is considered abated.
6	82	9/17/2013	Fleet & Fagley Streets	21224	Patasco	Not Resolved	On-going	863,000	Dye test program and CCTV in progress. Under investigation. CCTV is scheduled.	CCTV completed and lining recommendation was forwarded to construction. Rehab work is in progress.
6	86	8/12/2014	2106 BLK Hamilton Av	21214	Herring Run	11/6/2015	448	22,792	Replacement of 3 sewer house connections is planned. Replacement of 3 sewer house connections is planned. Work completed. Confirmatory test is pending.	3 sewer connections were completed. Action has abated the problem.
7	87	8/15/2014	Cherise St. and Lanvale St	21214	Jones Falls	Not Resolved	On-going	12,928	Part of CD project 897R. Work is removed from SC897R to expedite the rehab.	Transmittal was sent to contractor to pipe burst the leaking sewer line. Due to the leaking actions been assigned until BGE determine the source of the gas leakage and perform the required repair. BGE has been informed to take actions as soon as possible. They are in the process of taking actions.
8	93	2/19/2015	2400-2500 Blocks of W. Coldspring Ln	21215	Jones Falls	Not Resolved	On-going	3,600	A recommendation was forwarded to construction on 3/1	Construction complete. Partial of the problem was abated. More investigation has been scheduled to determine a proper approach to abate the problem.
9	94	2/19/2015	2800 Block of Loyelle Northway	21215	Jones Falls	Not Resolved	On-going	7056	A condition was part of consent decree project SC898. Work	Confirmatory testing is pending. Problem is still active. Sent another lining recommendation.
9	96	5/14/2015	3400 Block of Ash St	21211	Jones Falls	11/14/2015	184	38,978	Lining 150 ft of sewer line. Replacing one house connection	Action was taken on 11/14/2015 which abated the problem.
10	15.F02	7/10/2015	3731 Greenmount Ave	21218	Jones Falls	Not Resolved	On-going	37,088	Illicit Connection / direct connection	Contractor is scheduled to perform connection work on 20/1/2016. This action should eliminate this SDUO. This SDUO should be abated by the next quarterly report.
10	15.F03	7/21/2015	3904 Juniper rd	21218	Jones Falls	10/19/2015	90	5,879	Illicit Connection / direct connection	Disconnected sewer house connection and reconnected to sewer line. Problem abated.



Updated through Dec 31, 2015

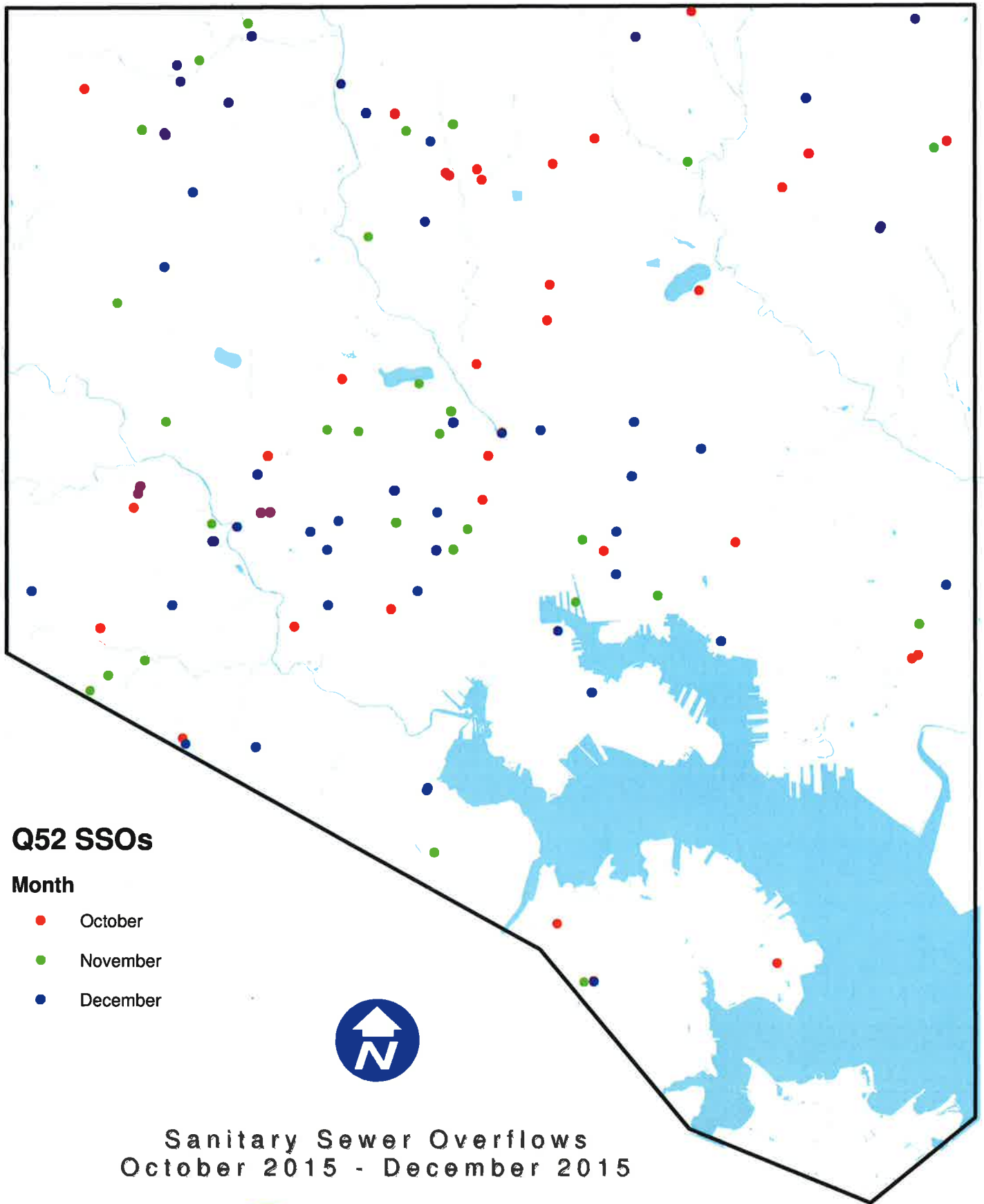
No.	SDUO No.	Date of Occurrence	Location	Zip Code	Stream Affected	Date of Resolution (See Note 6 Below)	Duration (Days)	Est. Quantity of Discharge in Gallons (7, 8, 9)	Measures Taken to Identify Source or Resolve	Future/Planned Work
	15GF01	7/20/2015	4500 Block of Bonner Rd	21216	Gwynns Falls Trib	9/17/2015	59	26,129	Uncharted broken sanitary line inside private apartment complex	Abated on 9/17/2015
	15GF02	7/30/2015	4520 Waterfield Rd	21216	Gwynns Falls Trib	10/18/2015	80	3,596	Illicit Connection / direct connection	Sewer connection was illegally connected to the storm. House connection was disconnected and connected to the sewer line. SDUO is abated.
11	15JF05	7/30/2015	224 39th Street	21218	Jones Falls	Not Resolved	On-going	21,175	Illicit Connection / direct connection	Citation was sent to owner to take action. House owner decided to not take action. The case has been transferred to court.
	15JF06	11/14/2015	2101 Rogene Drive	21209	Western Run	12/15/15	31	11,160	Property Manager CCTV'd and inspected the line to determine the leakage source.	Plumbing work has been performed which abated the problem.
12	15HB01	12/4/2015	707 S President St	21202	Inner Harbor	Not resolved	Ongoing	703	A bathroom found connected to downspouts. Property management was informed to repair the problem.	Repair has been scheduled to be performed on the first week of January 2016.
	15JF07	12/9/2015	3501 St Paul Street	21218	Jones Falls	12/19/15	10	43,200	Illegal sewer overflow found connected to the storm. Property management was informed to take immediate actions to fix the illegal overflow.	Licensed plumber was hired to redirect the illegal connection. Problem abated.
13	15BR01	12/14/2015	3016 Pinewood Ave	21214	Back river	Not Resolved	Ongoing	1598	Illegal connection to the Storm system. In the process of determining the scope of work.	Installing a new connection for this location.
14	15HB02	11/19/2015	114 E. Lexington St. The Lanore Apartments	21202	Inner Harbor	Not Resolved	On-going	148,846	Property management was informed of illegal plumbing to the downspouts of the apartment building. Meeting between the plumbing company and Department of Public Works engineer was scheduled to find a proper solution to the problem.	Sewer line has been CCTV'd. In the process of collecting engineering plans and scheduling field meetings.

Active SDUOs  
Abated SDUOs

SDUO Summary:

- Total SDUO Sites Documented: 111
- Total SDUO Sites Resolved: 87 (87% completed)
- Total Active SDUO Sites on Private Property: 10
- Total SDUO Sites Unresolved: 14 (13% in progress)
- New SDUO Sites documented in the last Quarter: 5
- Under the column entitled "Date of Resolution", if the note reads "Not Resolved" an end date of 12/31/2015 was used to determine the quantity of discharge up to that point.
- All of the Estimated Quantities of Discharge listed in the above table are based on a start date of October 30, 2008 in accordance with the letter issued by EPA dated November 12, 2010. The actual start date of the sewer discharge based on testing is listed in the Date of Occurrence.
- (T) - Flow calculated utilizing TKN concentration.  
(A) - Flow Calculated utilizing Ammonia concentration.  
(V) Total flow (by volume in Gallons)

For all active sites, the City ultimately, plans on calculating flows using TKN - per guidelines of the approved protocol by EPA  
 9. For sites that have not yet been resolved, "Est. Quantity of Discharge (Gall)" is resubmitted each quarter to reflect the elapse of time and any recent field information (flow, NH3, TKN) that may have been collected for a given site.



## Q52 SSOs

### Month

- October
- November
- December



Sanitary Sewer Overflows  
October 2015 - December 2015



Updated: December 2015

